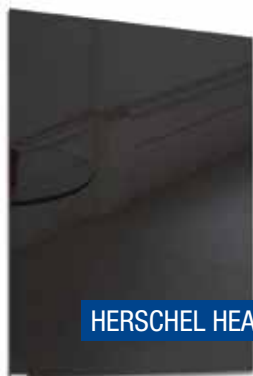**Rexel**

ENERGY
SOLUTIONS

2016
EDITION 2

PRODUCT CATALOGUE

INFRARED HEATING
Sleek panel heaters for all-round comfort

HERSCHEL HEATERS   **P74**

Top brand products, industry articles and information

WHAT'S IN STORE FOR
ENERGY
STORAGE
Will batteries change the market? P10

EV
CHARGING
Is it a new opportunity? P54

LG Life's Good

SMA

ROLEC ev **EVB⊗X**

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From P22

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From P58

CHECK STOCK & ORDER ONLINE: **www.RexelEnergySolutions.co.uk**

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ENERGY MANAGEMENT

Making energy saving easier...

Introducing…

A selection of **new products** in this catalogue

Fast delivery

Place your order by 2pm and we deliver next day

Speed and accuracy of delivery are important to us, and to you. It is the scale of our UK-wide logistics operation that means you get your order when you need it.

Our delivery costs are calculated by area. Give us 7 days to deliver and we'll reduce any delivery costs by 50%.

That's a promise.

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All the products you need, all the names you trust

HUAWEI   WINAICO®   Trinasolar

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REXEL ENERGY SOLUTIONS

energeasy drive
by Rexel

Energeasy Drive
An exclusive programme to help you grow your sales of electric vehicle charging points

Become an Energeasy Drive installer

Electric vehicle sales are growing every month and are now in their multi-thousands. New vehicle charging points are needed by:

- Vehicle owners at home
- Company fleet owners
- Local authorities

As a Rexel Energeasy Drive installer you will enjoy a package of benefits to give you the knowledge and tools you need to penetrate this new market.

Our vehicle charging infrastructure is growing.

As a Rexel Energeasy installer you can be part of it.

Find out more on our Installer Website:
www.energeasy-drive.co.uk

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www.RexelEnergySolutions.co.uk

What's in store for Energy Storage?

We explain why battery energy storage is set to revolutionise the UK renewables market.

The UK's clean energy infrastructure has advanced at a rapid pace, with £37 billion having been invested in renewable technology between 2010 and 2015[1].

But it's not only the overall investment that's increased. A recent energy efficiency trends[2] report indicated that demand for energy saving products from end-users is strong in the UK market - including a rise in solar activity, despite the changes to the feed-in-tariff at the beginning of the year.

Interestingly, accordingly to the report, offices are leading the way as the commercial property type most likely to benefit from building upgrades, such as renewable technology and other energy performance measures.

All of this marks the growing appetite from business owners to make the most of any investment already made into renewables installations, including solar PV.

Here, battery energy storage is set to revolutionise the way organisations and consumers alike utilise the 'free-energy' generated, with or without subsidy.

Whilst most renewable installations can make the most of battery storage, there is evidence to prove that solar PV in particular offers the highest potential. In fact, solar PV installed alongside a storage battery could increase a system's self-consumption capabilities to 70 per cent, and reduce the amount of energy sent back to the grid by 50 per cent. The latter of which is a particularly pertinent for end-users, ensuring they are utilising all of the energy generated by their solar installation.

£37 billion invested in renewable tech from 2010 to 2015

Importantly, it's not just existing solar installations that can generate these benefits. The cost for a new solar PV system has decreased by more than 50 per cent in the last three years, making the payback periods even more inviting for building owners that incorporate energy storage as part of the installation.

Battery storage is already well established in some European countries and one observation from the success Germany has had in the residential sector is that Lithium Ion batteries have been used in 90 per cent of battery storage installations, incorporating the already proven technology that's widely used in electronic devices such as laptops and mobile devices. Lithium Ion battery storage products are much more efficient, with a longer expected life time than lead acid counterparts. They are also better placed to discharge higher levels of stored energy - an important factor for the UK commercial market.

When selecting a battery storage system, its important will look at estimated daily energy consumption (kWh), peak load time for the building, how much solar PV can be or is already installed and the anticipated generation of the system. This means specifiers can then calculate the correct battery capacity and whether a single or 3 phase supply set up is more appropriate. Space and location must also considered as this can impact on the way the battery packs are installed, i.e. is there easy access for both installation and maintenance, and any safety implications.

Another obstacle is that there are currently no regulations for battery storage in the UK. However, the IET (Institution of Engineering & Technology) are in the process of developing Codes of Practice for contractors – a move that we strongly advocate, as it is vital for the industry to quickly establish best practice and a common language for the market as early on as possible. This can help alleviate some of the quality and performance stumbling blocks which faced the solar PV market when it first emerged back in 2005.

While the industry works to establish a standardised framework, we would strongly recommend engineers work closely with responsible manufacturers and suppliers that have taken the time to understand the market, the technology and the safety implications behind the products. For example, at Rexel we are working on the creation of a specification tool that to assist selection and correct sizing of an energy battery storage system, ensuring the correct load demand and consumption has been taken into account.

There is no doubt, battery energy storage is set to revolutionise the renewables sector. But during the implementation phase, it is vital for building engineers to collaborate with both manufacturers and suppliers that have taken the time to develop technical understanding, their in-house capabilities and training programmes. This partnership will result in is well-specified battery storage systems that enable users to truly take control of their energy generation, and achieve the greater cost savings.

For more information contact:

info@rexelenergysolutions.co.uk

0208 596 7483

1 Analysis - Record UK renewable energy investment overtakes North Sea spend by CarbonBrief.org
2 Energy Efficiency Trend report, by Efficiency Verification Specialists (EEVS) and
   Bloomberg New Energy Finance

Solar Modules

The most important part of the PV system is the module and we supply a variety of leading brand, high quality mono and polycrystalline units.

All modules held in stock and ordered by 2pm are despatched on the day of order. Plan ahead to reduce your costs with our 7 day delivery.

Trina Solar

High efficiency Honey

Developed with advances in multicrystalline cell technology, Trina Solar's Honey cells deliver higher efficiencies and world-record-setting power output.

Meeting all of your PV needs, they come with Trina Solar's standard warranties.

- 60 cell construction
- MC4 connectivity
- Highly reliable due to stringent quality control
- Poly or monocrystalline options available
- Silver anodized aluminium alloy frame

MADE IN **CHINA**

Product code	Description	Part number
2500866351	265W Poly Silver Frame	TSM-265-PD05A

Winaico

Excellent weak light performance

Winaico are positioned amongst the top brand manufacturers with a high-quality product from an automated production line.

Series WST is the ideal module for commercial and large-scale projects.

- Features silver 35mm single-walled frame
- Incorporates only top quality branded components
- 99% relative efficiency at weak light
- Tested 3 times above IEC standards
- Increased efficiency from PERC models boosts performance at high temperatures and low light conditions

MADE IN **TAIWAN**

Product code	Description	Part number
2500798748	260W Poly Silver Frame	WST-260P6
2500872173	275W PERC Poly Black Frame	WST-275P6
2500885477	295W PERC Mono Black Frame	WSP-295M6FB
2500885478	310W PERC Mono Black Frame	WSP-2310M6

Trina Solar Trinasmart

Smarter power

Trinasmart modules incorporate innovative power electronics from Tigo Energy to give module level power optimisation, monitoring & diagnostics and increased safety.

- Increased output per module
- 30% longer strings
- See page 41 for more details of this and the Tigo energy management unit.

MADE IN **CHINA**

Product code	Description	Part number
2500674350	270W Mono Black Frame	TSM-270-DC05A.082

Did you know?

The atmosphere receives over 150 petawatts of power from the sun, of which some is reflected back and the rest absorbed by the sea and earth. One petawatt is equal to one billion million watts.
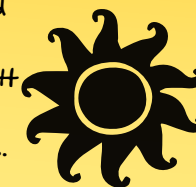
LG

High output with excellent craftsmanship

Our BiFacial module from LG has been designed using LG's CELLO technology. The cell efficiency on the rear side is only slightly lower (20%) than on the front side (21%).

Light hitting both front and rear of the cell is especially significant during the morning and afternoon hours when light has a lower angle of incidence.

Across the LG range, excellent craftsmanship and good cost/performance ratio come as standard.

NEW

MADE IN KOREA

Product code	Description	Part number
2500838903	MonoX - 285W Black Frame	LG285S1C-L4
2500796997	NeON 2 - 300W Black Frame	LG300N1K-G4
2500922646	NeON 2 - 300W Bi-Facial Black Frame	LG300N1T-G4 N
2500922645	NeON 2 - 320W Black Frame	LG320N1C-G4 N

SunSolar

NEW

Made in UK

SunSolar are the UK's only UK manufacturer of Solar Photovoltaic panels and their quality control is among the most stringent.

The latest Triple A+ rated flash testing equipment tests all panels against IEC 60904.9 standards.

- New 255W module now available
- All panels use high quality glass, cells and frames.
- 10 year 90% power output warranty
- 25 year 80% power output warranty

Product code	Description	Part number
2500934543	255W Mono Black Frame	SS 255W N

SolarWorld

MADE IN EU

Consistency guaranteed

SolarWorld guarantees less than 2% power tolerance between modules, or -0 to +5wp. This means module-to-module consistency is assured.

- Tested by standards organisation TUV Rheinland in Germany
- Maximum output degression of 0.7% p.a.
- Choose from black or silver framed

Product code	Description	Part number
2500704793	260W Poly Silver Frame	SW260 N
2500820079	270W Mono Silver Frame	SW270 N
2500703442	285W Mono Black Frame	SW285

Solar Modules Compared

Polycrystalline

Product code	Brand	Part number	Max power (W)	Frame colour	Module Efficiency (%)	Weight (kg)	Origin	See catalogue page
2500798748	Winaico	WST-260P6	260	Silver	15.06	19	Taiwan	12
2500872173	Winaico	WST-275P6 PERC	275	Black	16.8	19	Taiwan	12
2500668251	SolarWorld	SW250 P-SLVR	250	Silver	15.2	21.2	Germany	14
2500704793	SolarWorld	SW260 P-SLVR	260	Silver	-	-	Germany	14
2500866351	Trina Solar	TSM-PD05	265	Silver	16.2	18.6	China	13

Monocrystalline

Product code	Brand	Part number	Max power (W)	Frame colour	Module Efficiency (%)	Weight (kg)	Origin	See catalogue page
2500838903	LG	LG285S1C-L4	285	Black	17.5	17.5	Korea	14
2500796997	LG	LG300N1K-G4	300	Black	18.3	17.5	Korea	14
2500922646	LG	LG300N1T-G4	300	Black	18.3	17.5	Korea	14
2500922645	LG	LG320N1C-G4	320	Black	19.5	17.5	Korea	14
2500885477	Winaico	WSP-295M6FB PERC	295	Black	18	19.6	Taiwan	12
2500885478	Winaico	WSP-2310M6 PERC	310	Black	18	19.6	Taiwan	12
2500832938	SolarWorld	SW265 M-SLVR	265	Silver	15.8	18	Germany	Online
2500820079	SolarWorld	SW270 M-SLVR	270	Silver	16.1	21.2	Germany	14
2500845540	SolarWorld	SW280-M-BLK	280	Black	16.7	18	Germany	Online
2500703442	SolarWorld	SW285 M-BLK	285	Black	17	21.2	Germany	14
2500703443	SolarWorld	SW285 M-SLVR	285	Silver	17	18	Germany	Online
2500674350	Trina Solar	TSM-270-DC05A.082	270	Black	16.5	18.6	China	13
2500700135	Trina Solar	TSM-265-DC05A.05	265	Black	16.5	18.6	China	Online
2500934543	SunSolar	SS 255W	255	Black	15.5	19	UK	14

Did you know? The largest solar power plant in the world is in the Mojave Desert in California. It covers 1,000 acres, or 4 square kilometres.

Property value boost adds to solar success

Research reveals that solar panels can increase a property's value by almost a fifth, making the financial case for solar still strong, despite today's lower tariffs.

According to the study[1], installing solar panels can increase the value of a home by an average of 17 per cent, while helping it to sell 20 per cent faster. In addition, falling costs means that solar still delivers a healthy return on investment and can help to reduce your electricity bill by around 50%.

In this way, a solar PV installation can add huge additional value to a property while also ensuring a wider appeal for those looking to sell. After all, with energy bills presenting one of the biggest financial concerns for UK consumers, the draw of a 50% reduction is only going to become more and more attractive.

Added to this we have developments in solar energy storage. There are many companies with products in the marketplace that can store energy for later use, reducing even further users' reliance on the grid. Looking ahead as more storage products become available and prices come down, storage will become mainstream in the domestic environment. Even now, however, storage can be retro-fitted, in many cases, to existing solar installations.

Store energy for later use

As a business committed to driving solar adoption forward, our innovative Energeasy Solar online platform has been designed to reaffirm consumer confidence in solar. The service is designed to support the time-stretched installer, who can use the dedicated portal to manage existing and prospective clients, as well as the installation process from beginning to end - all within a personalised, password protected space.

The reality is that solar is integral to achieving our carbon reduction targets and realising a low carbon future. While today's lower FiT may pose a momentary stumbling block, there is no doubt that solar adoption will continue to grow year on year.

1 The Independent (pg 42), 18/05/16

For more information contact:

info@rexelenergysolutions.co.uk

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Rexel | ENERGY SOLUTIONS

THE NEW SUNNY BOY STORAGE 2.5
COST EFFECTIVE, FLEXIBLE, SIMPLE

The Sunny Boy Storage is the ideal battery inverter for high-voltage batteries like the Tesla Powerwall. The Sunny Boy Storage has a charge and discharge power of 2.5 kW, it is ideally suited to coping with the electricity demand of a private household.

The device enables a significant reduction in system and installation costs by combining the flexibility of AC coupling with the advantages of high-voltage technology. Commissioning is simple and the energy flows in the household are completely clear thanks to the integrated web server and direct access to Sunny Portal.

However electric current is produced and consumed, the Sunny Boy Storage does it all and with maximum flexibility both now and in the future.

See page 28 for more information

ENERGY THAT CHANGES

SMA

Inverters

Considered to be the brains of a solar installation, solar inverters play a critical role and today do more than convert generated power to usable AC.

Communications, data sharing, online monitoring, management and control is carried out via wireless or ethernet connection, available on many or all inverters today.

How they work

A grid connected residential system
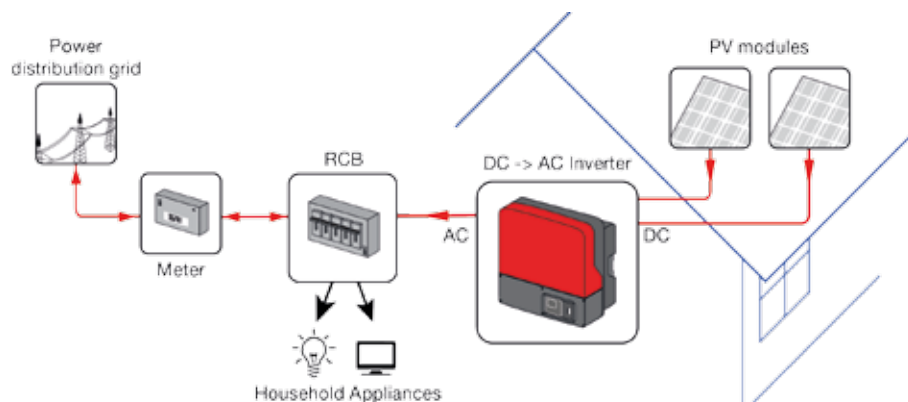
2.2-27.6kW

1/3 PHASE

1 MPPT

	SolarEdge ER Series 2.2-6	SolarEdge ER Series 5-17	SolarEdge P2 Series
	2.2-6.0kW **1** **1**	**5.0-17.0**kW **3** **1**	**25-27.6**kW **3** **1**
	Sophisticated control technology	**Excellent performance, easy installation**	**Excellent performance, easy installation**
	• Built-in module-level monitoring	• Ethernet or wireless connectivity	• Lightest in its class
	• High efficiency of 97.6%	• Module level monitoring	• Fixed voltage technology
	• Small and lightweight	• Superior efficiency of 98%	• Low weight advantage
IP rating	IP65	IP65	IP65
Weight	20.2 - 21.7kg	33.2kg	33.2kg
Dimensions	540 x 315 x 172mm (2.2-3.5kW); 540 x 315 x 191mm (6kW)	540 x 315 x 260	540 x 315 x 260
Max Vin	500V	950V	900V

Online Monitoring

Phase

No of MPPTs

Product Code	Rating
2500595391 SE2200-ER-01	**2.2kW**
2500595392 SE3000-ER-01	**3kW**
2500595393 SE3500-ER-01	**3.5kW**
2500595394 SE4000-ER-01	**3.68kW**
2500595396 SE5000-ER-01	**5kW**
2500595410 SE6000-ER-01	**6kW**

Product Code	Rating
2500595411 SE5K-ER-01	**5kW**
2500595412 SE7K-ER-01	**7kW**
2500595413 SE8K-ER-01	**8kW**
2500595414 SE9K-ER-01	**9kW**
2500595415 SE10K-ER-01	**10kW**
2500595404 SE12.5K-ER-01	**12.5kW**
2500595405 SE15K-ER-01	**15kW**
2500595406 SE16K-ER-01	**16kW**
2500595407 SE17K-ER-01	**17kW**

Product Code	Rating
2500798756 SE25K-P2	**25kW**
2500798758 SE27.6K-P2	**27.6kW**

Accessories

Product code	Description	Part number	
2500834055	StoreEdge Stand Alone Interface	SESTI-S1	N
2500834050	Wattnode Meter RS485 Din Rail	SE-WNC-3Y400-MB-K1	N
2500834051	100A Split Core Current Transformer	SE-ACT-0750-100	N
2500834052	250A Split Core Current Transformer	SE-ACT-0750-250	N
2500834053	1000A Split Core Current Transformer	SE-CTS-2000-1000	N
2500877601	Meter Adaptor	SE1000-S0IF01	N

Introducing SolaX

NEW X-Hybrid inverters with battery storage

NEW

- ✓ **Very high efficiency**
- ✓ **2.4 or 6.4kWh battery depending on needs**
- ✓ **Use up to 85% of generated solar energy**
- ✓ **Integrated WiFi monitoring**
- ✓ **Emergency power supply facility (EPS)**
- ✓ **Low noise**
- ✓ **Wide voltage range**

SolaX energy storage system for your customers

SolaX hybrid inverters are designed to store surplus energy in batteries for later use. When user demand is greatest during the evening, batteries supply some or all power to lights and appliances. Household load will determine which of our batteries you install.

Your customers need to know they are using as much

of their generated energy as possible. Offer them a Solax energy storage system and you'll install a cutting edge hybrid system giving peace of mind. Real-time system monitoring is made easy via smartphone app or the Solax web portal.

It's an intelligent, integrated storage system.

SolaX X-Hybrid Inverter

STORAGE READY

NEW

| 3.0-5.0kW | 1 | 2 |

Excellent domestic solution

Hybrid inverters in 3 capacities ready for battery integration. Ideal for domestic environment installation.

- • Backlit LCD display for easy management
- • Ethernet/Wi-Fi connectivity enables system monitoring
- • Use with lead acid or lithium batteries
- • Nominal battery voltage of 48V
- • Easy to install
- • Indoor use only

IP rating	IP20
Weight	23.5kg
Dimensions	700 x 591 x 151mm
Max Vin	550V

🌐 Online Monitoring
🟦 Phase
🟩 No of MPPTs

Product Code	Rating
2500885479 SK-SU3000E	3kW
2500885480 SK-SU3700E	3.7kW
2500885481 SK-SU5000E	5kW

SolaX Accessories

a b c d e

Essential extras

A range of battery capacities are available depending on customers' load requirements, plus cabinet and changeover switch.

Product code		Description	Part number
COMING SOON	a	SolaX 4.8kWh Lithium Battery	SOLAX4.8
COMING SOON	b	LG Chem 3.3kWh Lithium Battery	RESU3.3
COMING SOON	c	LG Chem 6.5kWh Lithium Battery	RESU6.5
COMING SOON		LG Chem 10kWh Lithium Battery	RESU10
2500885482		ZTE Extra 2000 2.4kWh Lithium Battery	2.4KWHEX-TRA2000
2500885483	d	Cabinet for ZTE Extra 2000	ZTECABINET
2500885485	e	Changeover Switch with RCBO	CRCBO

Did you know?

SolaX is a market leading manufacturer of battery storage inverters. Their products are designed, tested and manufactured to the highest global standards and covered by many international certifications.
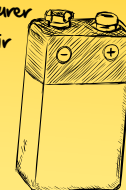
SMA Sunny Boy 1.5-2.5

1.5-4.6kW | **1** PHASE | **1/2** MPPT

1.5-2.5kW | 1 | 1

Easier to install
- For smaller PV systems
- Simplified installation
- Simple 2-screw fixing
- Convection cooling
- SUNCLIX DC plug-in system

SMA Sunny Boy 3-5

3.0-5.0kW | 1 | 2

Transformerless for flexibility
- Graphic display of daily values
- Separate wiring compartment
- Anti-theft design features
- Complete with WebConnect
- Redesigned for greater efficiency

SMA Smart Energy System

STORAGE READY

3.68-4.6kW | 1 | 2

THE inverter and battery combination
- 2kW effective battery capacity
- A solution to post-sunset power requirements
- No need to design a battery system
- VDE approved
- Optimised battery size

	SMA Sunny Boy 1.5-2.5	SMA Sunny Boy 3-5	SMA Smart Energy System
IP rating	IP65	IP65	IP54
Weight	9kg	26kg	57kg
Dimensions	460 x 357 x 122mm	490 x 519 x 185mm	877 x 711 x 252mm
Max Vin	600V	750V	750V

Product Code	Rating	Product Code	Rating	Product Code	Rating
2500710837 SB1.5-1	1.5kW	2500677599 SB3000TL-21	3.0kW	2500697218 SB3600SE-10	3.68kW
2500710838 SB2.5-1	2.5kW	2500677613 SB3600TL-21	3.6kW	2500697219 SB5000SE-10	4.6kW
		2500677614 SB4000TL-21	4.0kW		
		2500677615 SB5000TL-21	5.0kW		

Online Monitoring / Phase / No of MPPTs

Accessories

Product code	Description	Part number	
2500706916	SMA Sunny Home manager Intelligent Energy Monitor	HM-BT1013	N
2500706917	SMA Energy Meter 63A Direct Connect	EMETER-10	N

SMA Sunny Tripower 5-9

5.0-60.0kW | **3** PHASE | **1/2** MPPT

5.0-9.0kW | 3 | 2

Very high yield generation
- Shade management facility
- Bluetooth®
- Active temperature management
- Integrated grid management
- SUNCLIX DC plug-in system for easy connection without tools
- Easy wall mounting

SMA Sunny Tripower 10-15

10.0-15.0kW | 3 | 2

Easier mounting, fast connection
- Self-learning characteristics
- Bluetooth communication
- Cable connection without tools
- Easier mounting through reduced weight

SMA Sunny Tripower 60

60kW | 3 | 1

For larger commercial installations
- Match with optional DC combiners
- Inverter manager available
- Digital I/O box also available
- For these accessories go to website

	SMA Sunny Tripower 5-9	SMA Sunny Tripower 10-15	SMA Sunny Tripower 60
IP rating	IP65	IP65	IP65
Weight	37kg	37kg	75kg
Dimensions	470 x 730 x 240mm	665 x 690 x 265mm	570 x 740 x 300mm
Max Vin	1000V	1000V	1000V

Product Code	Rating	Product Code	Rating	Product Code	Rating
2500567039 STP5000TL-20	5kW	2500673715 STP10000TL-20 080-ENGB	10kW	2500714545 STP60-10	60kW
2500567040 STP6000TL-20	6kW	2500677601 STP12000TL-20 080-ENGB	12kW		
2500567041 STP7000TL-20	7kW	2500442976 STP15000TL-20	15kW		
2500567042 STP8000TL-20	8kW				
2500567043 STP9000TL-20	9kW				

Online Monitoring / Phase / No of MPPTs

SMA — Battery Storage Inverter

2.5-8kW

1/3 PHASE

1/2 MPPT

STORAGE READY

NEW

2.5kW   1   1

Independent power generation

Sunny Boy Storage is the battery inverter for high-voltage batteries from all reputable manufacturers.

- Ideal for private households
- Integrated web server
- Simple commissioning
- Efficiency 97% battery to grid

IP rating	IP65
Weight	9.2kg
Dimensions	357 x 450 x 122mm
Max Vin	500V

Online Monitoring

Phase

No of MPPTs

Product Code	Rating
2500877597 SBS2.5-1VL-10	2.5kW

SMA — Sunny Island

STORAGE READY

NEW

3-8kW   1   1

Highly flexible for smaller installations

SMA's Sunny Island range provides a great all-round solution for on-grid and off-grid installations.

- Use with all lead-acid and many lithium-ion batteries
- Easy and fast installation and commissioning
- Works with Sunny Home Manager monitoring system

IP rating	IP54
Weight	63kg
Dimensions	467 x 642 x 242mm
Max Vin	63V

Product Code	Rating
2500872174 SI3.0M-11	3kW
2500872175 SI4.4M-11	4.4kW
2500872176 SI6.0H-11	6kW
2500872177 SI8.0H-11	8kW

Accessories

Product code	Description	Part number	
2500706916	SMA Sunny Home manager Intelligent Energy Monitor	HM-BT1013	N
2500706917	SMA Energy Meter 63A Direct Connect	EMETER-10	N
2500872179	SMA Speedwire Data Module	SWDMSI-NR10	N
2500872178	SMA Sunny Remote Controller	SRC-20	N
2500872184	100A Split CT Clamp	TAS-T24 100A	N

Fronius — Symo

6.0-27kW

3 PHASE

1/2 MPPT

6-20kW   3   2

Third party components easily integrated

- Transformerless
- WLAN/Ethernet interface
- 'Smart Grid' ready

Fronius — Symo Light

10-20kW   3   2

A variant of the standard Symo model

- Transformerless
- All the features of the standard model, but with reduced interfacing connectivity

Fronius — Eco & Eco Light

25-27kW   3   1

No requirement for string collection boxes

- SnapInverter mounting system
- 'Light' models have reduced interfacing connectivity

	Symo	Symo Light	Eco & Eco Light
IP rating	IP65	IP65	IP66
Weight	16-44kg	16-44kg	35.7kg
Dimensions	645 x 431 x 204mm (6-8kW) 725 x 510 x 225mm (10-20kW)	645 x 431 x 204mm (6-8kW) 725 x 510 x 225mm (10-20kW)	725 x 510 x 225mm
Max Vin	1000V	1000V	1000V

Online Monitoring

Phase

No of MPPTs

Product Code	Rating
2500687754 SYMO-6.0-3-M	6kW
2500687755 SYMO-7.0-3-M	7kW
2500687756 SYMO-8.2-3-M	8.2kW
2500687757 SYMO-10.0-3-M	10kW
2500687758 SYMO-12.5-3-M	12.5kW
2500687747 SYMO-15.0-3-M	15kW
2500687748 SYMO-17.5-3-M	17.5kW
2500687749 SYMO-20.0-3-M	20kW

Product Code	Rating
2500687750 SYMO-10.0-3-M-LIGHT	10kW
2500687751 SYMO-12.5-3-M-LIGHT	12.5kW
2500687752 SYMO-15.0-3-M-LIGHT	15kW
2500687741 SYMO-17.5-3-M-LIGHT	17.5kW
2500687742 SYMO-20.0-3-M-LIGHT	20kW

Product Code	Rating
2500798752 ECO 25.0-3-S	25kW
2500798753 ECO 27.0-3-S	27kW
2500798754 ECO 25.0-3-S-LIGHT	25kW
2500798755 ECO 27.0-3-S-LIGHT	27kW

2.0-27.6kW

1/3 PHASE

1/2 MPPT

ABB Aurora Uno

2.0-2.5kW | **1** | **2**

ABB's new look inverter
- Built-in heatsink compartment
- Ideal for domestic rooftop array
- RS-485 communication interface

ABB Aurora PVI

3.0-12.5kW | **1/3** | **1**

Residential and small commercial
- Transformerless
- Precise MPPT algorithm
- Ideal for PV arrays of different orientation
- A 12.5kW 3-phase model also available

ABB Aurora Trio

5.8-27.6kW | **3** | **2**

New look, new generation
- For both domestic and larger installations
- Transformerless topology
- Detachable wiring box
- Option of two high-efficiency models for larger installations (suffixed '-S2X')

	ABB Aurora Uno	ABB Aurora PVI	ABB Aurora Trio
IP rating	IP65	IP65	IP65
Weight	17kg	17.5kg	70-75kg
Dimensions	518 x 367 x 161mm	618 x 325 x 222mm	641 x 429 x 220mm / 1061 x 702 x 292mm (S2X models)
Max Vin	520V	600V	1000V

Online Monitoring

Phase

No of MPPTs

Product Code	Rating
2500571997 UNO-2.0-I-OUTD	2.0kW
2500571998 UNO-2.5-I-OUTD	2.5kW

Product Code	Rating
2500535303 PVI-3.0-OUTD	3.0kW
2500526374 PVI-3.6-OUTD	3.6kW
2500557033 PVI-5000-OUTD	5.0kW
2500557034 PVI-6000-OUTD	6.0kW
2500535292 PVI-12.5-OUTD-FS	12.5kW

Product Code	Rating
2500624707 TRIO-5.8-TL-OUTD	5.8kW
2500624708 TRIO-7.5-TL-OUTD	7.5kW
2500624709 TRIO-8.5-TL-OUTD	8.5kW
2500535293 TRIO-20.0-TL-OUTD-S2X	20kW
2500535294 TRIO-27.6-TL-OUTD-S2X	27.6kW

33-50kW

3 PHASE

1 MPPT

ABB Pro33

NEW

33kW | **3** | **1**

High power for centralised systems
- Compact unit
- High power wall-mountable Package
- High maximum DC input voltage of up to 1100 V
- Configurable all-in-one design
- Advanced grid support functions

ABB Trio-50

NEW

50kW | **3** | **1**

For commercial and utility application
- Transformerless topology
- The most powerful ABB string inverter
- Wide input range
- Vertical or horizontal installation

Please note: Separate AC and DC compartments are available in different configurations. Phone 0208 596 7483 to confirm requirements.

	ABB Pro33	ABB Trio-50
IP rating	IP65	IP65
Weight	66kg	95kg
Dimensions	740 x 520 x 300mm	725 x 1491 x 315mm
Max Vin	1100V	1000V

Online Monitoring

Phase

No of MPPTs

Product Code	Rating
2500798749 PRO33-TL-OUTD-SX-400	33Kw

Product Code	Rating
2500909191 TRIO-50.0-TL-OUTD	50kW

Huawei Inverters

8.0-33.0kW

3 PHASE

2-4 MPPT

	Huawei SUN 2000 8-23	Huawei SUN 2000 33	Huawei SUN 2000 36

NEW

8.0-23.0kW | **3** | **2/3**

33.0kW | **3** | **2/3**

36.0kW | **3** | **4**

Supports 2 or 3 MPPTs
- String fault detection
- Natural cooling
- Built-in surge protection
- Fuse-free design
- 'Smart Logger' (optional) provides centralised control

For large scale plants
- At just 48kg it's an efficient choice
- High 98.6% efficiency
- No external fan needed
- Use with optional 'Smart Logger'

High power, multiple MPPT technology
- Intelligent monitoring for fast trouble-shooting
- Natural cooling technology means no fans
- High max efficiency of 98.8%
- 36kW rated AC power

IP rating	IP65	IP65	IP65
Weight	40kg	48kg	55kg
Dimensions	520 x 610 x 255mm	520 x 610 x 225mm	930 × 550 × 260mm
Max Vin	1000V	1000V	1100V

Online Monitoring
Phase
No of MPPTs

Product Code	Rating	Product Code	Rating	Product Code	Rating
2500706307 SUN2000-8KTL	8kW	2500796996 SUN2000-33KTL	33kW	2500925956 SUN2000-36KTL	36Kw
2500706308 SUN2000-12KTL	12kW				
2500706309 SUN2000-17KTL	17kW				
2500706310 SUN2000-20KTL	20kW				
2500706311 SUN2000-23KTL	23kW				

Accessories

Product code	Description	Part number
2500706312	Huawei Smart Logger - up to 80 inverters	H-SL

Zeversolar Inverters

1.0-3.68kW

1 PHASE

1 MPPT

	Zeversolar Zeverlution S	Zeversolar Zeverlution SE	Zeversolar Evershine TL

1-3kW | **1** | **1**

3-3.68kW | **1** | **1**

3.68kW | **1** | **1**

Simple, reliable inverter
- Fewer components for increased reliability
- Ethernet / WiFi can be retrofitted
- Low 15dB operating level
- Light weight - only 7.3kg
- Efficiency of 97.5%

Compact residential solution
- Extremely lightweight for easy handling
- Compact design
- Compatible with smart modules and DC optimisers
- Online web monitoring with ZeverCom

Transformerless for flexibility
- RS485 communications as standard
- Online web monitoring via ZeverCom & ZeverCom WiFi
- Efficiency 97%

IP rating	IP65	IP65	IP65
Weight	7.3kg	7.3kg	19.5kg
Dimensions	346 x 346 x 132mm	346 x 346 x 146mm	405 x 480 x 200mm
Max Vin	500V / 600V (3kW)	600V	600V

Online Monitoring
Phase
No of MPPTs

Product Code	Rating	Product Code	Rating	Product Code	Rating
2500851494 1000S	1.0kW	2500786703 3000SE	3kW	2500780721 TL3680	3.68kW
2500851495 1500S	1.5kW	2500786704 3680SE	3.68kW		
2500851496 2000S	2.0kW				
2500851497 3000S	3.0kW				

Accessories

Product code	Description	Part number
2500780732	ZeverCom Wifi Residential Power Monitoring Unit	PMU RESIDENTIAL
2500780731	ZeverManager Commercial Power Monitoring Unit	PMU COMMERCIAL

1.3-3.68kW · 1 PHASE · 2 MPPT

Trannergy PVI 1.3-3

1.3-3kW 1 2

Transformerless with quality and reliability built-in
- Wide range of input DC and MPPT voltage
- Low turn-off DC voltage
- DC switch option

IP rating	IP65
Weight	13kg
Dimensions	380 x 320 x 140mm
Max Vin	500V

Online Monitoring / Phase / No of MPPTs

Product Code	Rating
2500708409 PVI1300TL	1.3kW
2500708410 PVI1800TL	1.8kW
2500708411 PVI2300TL	2.3kW
2500708412 PVI2700TL	2.7kW
2500708413 PVI3000TL	3kW

Trannergy PVI 3.2-3.68

3.2-3.68kW 1 2

PVI model with 2 MPPTs
- Small to medium systems
- Simplified installation
- Lower weight for easier handling

IP rating	IP65
Weight	13kg
Dimensions	500 x 360 x 150mm
Max Vin	500V

Product Code	Rating
2500708414 PVI3200TL	3.2kW
2500708415 PVI4000TL	3.68kW

3.0-25kW · 1 PHASE · 1-3 MPPT

Schneider Conext RL

3.0-5.0kW 1 2

Single phase, high efficiency
- Partial shading algorithm
- Higher RoT with dual MPPT
- Can support unbalanced arrays
- 3.2kW input power per MPPT
- 97.5% efficiency

Schneider Conext CL

20.0-25.0kW 1 3

Three phase, easy installation
- Electrolyte-free design
- Integrated wiring box with five configuration options
- Easy firmware update via USB
- Touch-safe fuse holder
- Easily replaceable fan
- Integral surge protection

Bosch BPT-S

3-3.68kW 1 1/2

Bosch sets new standard
- Small plant installations
- Simplified remote analysis
- RFID comms interface
- Integrated data logger
- BPT-S-4 has TWO MPPTs

Available only while stocks last...!

	RL	CL	BPT-S
IP rating	IP65	IP65	IP65
Weight	20-24kg	54kg	17kg / 24kg
Dimensions	420 x 480 x 160mm	714 x 674 x 268mm	620 x 414 x 180mm
Max Vin	550V	250-1000V	750V

Product Code	Rating	Product Code	Rating	Product Code	Rating
2500638444 PVSNVC3000	3.0kW	2500674346 OPT+ PVSCL20E100	20.0kW	2500804929 BPT-S 3	3kW
2500638445 PVSNVC4000	3.6kW	2500674345 PVSCL20E201	20.0kW	2500804930 BPT-S 3.68	3.68kW
2500638446 PVSNVC5000	5.0kW	2500674348 PVSCL25E201	25.0kW	2500838904 BPT-S-4	3kW
		2500674349 PVSCL25E301	25.0kW		

Boost your energy yields

SUN2000 33kW
3-phase Solar Inverter

For large-scale commercial rooftop and ground-level plants

Enjoy a maximum efficiency of 98.8 percent and up to three Maximum Power Point Tracking (MPPT) routes for complete all-round versatility.

More information on page 32

SUN2000-33KTL

Micro-Inverters

Micro-inverters simplify solar array design and installation since a single micro-inverter is used for each module, typically mounted with or alongside the module.

The outputs of all micro inverters are connected in parallel and no string inverter is needed. Output is optimised on a per panel basis and overall losses due to shade minimised.

How they work
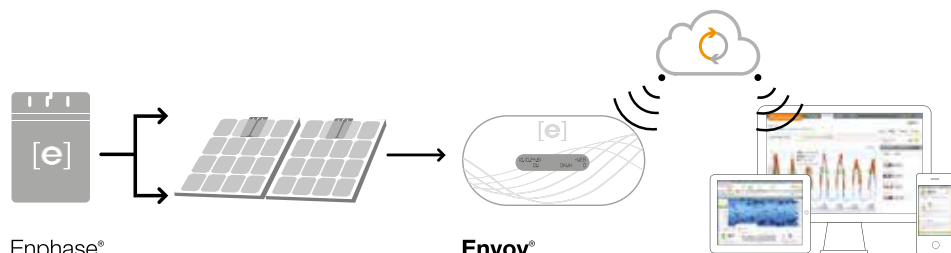
Enphase® Microinverter

Installed beneath each solar panel, Enphase Microinverters maximise energy production and convert DC power into low-voltage AC electricity. They offer greater design flexibility to fit on different roof planes and multiple buildings.

Envoy® Communications Gateway

The Envoy acts as a messenger between your microinverters and Enlighten software, collecting energy production data over your home's electrical wiring and sending the data through your Internet router to Enphase's data centres.

Enlighten®

Solar professionals use Enlighten Software to remotely monitor, manage, and troubleshoot your system 24 hours a day from any PC, tablet, or smartphone. You can use MyEnlighten, a user-friendly version of the software, to keep track of energy production.

Enphase Micro-Inverter

Get maximum array output

More resilient to dust, debris, and module shading, micro-inverters extract more power from a given array.

Based on Enphase's 4th generation technology these new models incorporate the latest innovations in power electronics and custom microchips to deliver 96% CEC efficiency and a range of performance features.

- Plug and play installation
- M250 is optimised for higher powered modules to 300W

Wiring it up!
Go to our website and you'll find a range of trunk cables, terminators, couplers and other accessories for installing Enphase micro-inverters.
www.RexelEnergySolutions.co.uk

Enphase Envoy

Envoy is the networking hub connecting every module and Enphase micro-inverter to the Internet. System performance is monitored via Enlighten web based software.

	Enphase 215W micro-inverter	Enphase 250W micro-inverter	Enphase Envoy	Enphase Metered Gateway
Product code	2500696121	2500668325	2500591549	2500872188
Part number	M215-60-230-S22-E	M250-60-230-S22	ENV-230-UK-M	ENV-S-WB-230
Max. input voltage	48V	48V	-	-
Peak power tracking voltage	27 - 39V	27 - 39V	-	-
Operating range	16 - 48V	16 - 48V	-	-
Rated output power	215W	250W	-	-
Max. number of micro-nverters	-	-	Monitors up to 600 Enphase Micro-inverters	Monitors up to 600 Enphase Micro-inverters
Dimensions (WxHxD)	179 x 217 x 28mm	179 x 217 x 28mm	222 x 112 x 43mm	213 x 126 45mm
IP rating	IP67	IP67	-	IP30
Weight	1.66kg	1.66kg	0.34kg	0.5kg

Power Optimisers

When fluctuating levels of shade or differences in panel direction reduce the output of a PV installation, power optimisation technology can help.
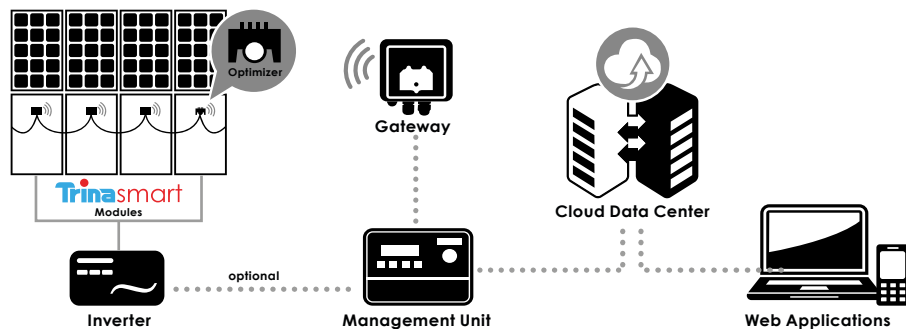
Our power optimisers can increase energy output per module by using maximum power point tracking (MPPT), which is especially effective in low light conditions.

How they work

System Architecture
Trinasmart system components work together with any inverter to maximize energy harvest. Trinasmart modules communicate wirelessly through the gateway, allowing users to monitor system performance in real time.

Optimizer

Trina**smart**
Modules

Inverter

optional

Gateway

Management Unit

Cloud Data Center

Web Applications

Trinasmart Optimised Solar Module

Smart electronics, increased output

Trina's new Trinasmart modules benefit from in-built power optimisation to give industry leading advances in performance. More energy output, module-level monitoring and diagnostics and additional safety are the result. The ability to install longer strings enables cost savings at the inverter.

Up to 20% more output

Packaged into the rear junction box is a sophisticated energy maximiser from Tigo Energy, an innovative combination of hardware and software that increases the output of solar arrays by up to 20 percent.

The maximiser improves safety by allowing module-level deactivation.
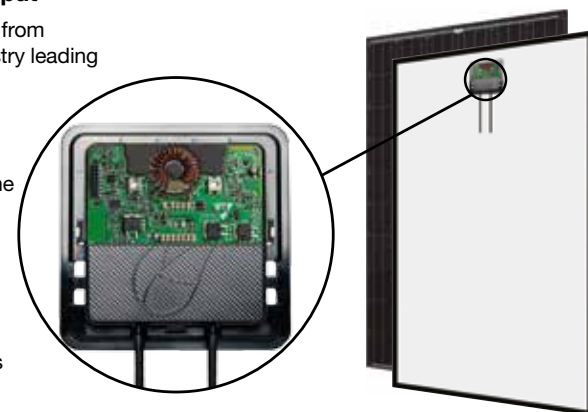
Product code	Description	Part number
2500674350	Trinasolar 270W Trinasmart Mono Module	TSM-270-DC05A.082
2500791648	TIGO Indoor Cloud Connect - DIN Rail Mounted IP20	333-00000-00
2500791649	TIGO Extra Communication Gateway	150-00000-50

SolarEdge P-series Module Optimisers

Peak performance

Achieve up to 25% increase in power output and a superior efficiency of 99.5%. These optimisers offer peak performance in both mismatched and unshaded conditions.

Plug an optimiser to each module and you'll enjoy maximum power point tracking for each module.

Product code	Output Power (W)	Part number
2500629243	300W	P300-2R-M4M-RS
2500629246	500w	P500-2R-M4M-RM
2500629244	350W Portrait	P350-2R-M4M-RS
2500629245	350W Landscape	P350-2R-M4M-RM
2500629247	600W Portrait (Commercial)	P600-2R-M4M-RM
2500629248	600W Landscape (Commercial)	P600-2R-M4M-RL
2500629255	700W Portrait (Commercial)	P700-2R-M4M-RX
2500629254	700W Landscape (Commercial)	P700-2R-M4M-RM

WINAICO®

Power to Perform

Solar Optimisation

Solar optimisation units give you the best of both worlds. When daytime power requirement is low, excess power generated can be used to heat water.

Making use of the power while it is available is an excellent way to get the most from an installation and keep energy bills low.

Nobody has more PERC on offer!

Proven technology plus PERC: WINAICO offers the biggest range of PERC modules to all that know performance and quality are of importance.

Powerdiverter

Easy to install

Powerdiverter is designed to divert excess power from a solar PV installation to the immersion heater to provide free hot water.

Its custom made wireless technology makes it easy to install in around 20 minutes. It does not affect feed-in tariff rates or payments and no plumbing is required.

- One button control
- No additional wiring needed
- No plumbing required
- Wireless as standard
- Boost button gives hot water on demand

Product code	Description	Part number
2500866352	Powerdiverter	PD1C

WSP-310M6 PERC

WSP-295M6 PERC FB

WST-275P6 PERC

WINAICO is a trademark of Win Win Precision Technology Co., Ltd.

WINAICO Deutschland GmbH · Industriestraße 68 · 97993 Creglingen · Germany
Phone +49 7933 700 300 · Fax +49 7933 700 3010 · www.winaico.com

Safety Equipment

Safe working at height demands that employers, installers and owners of premises where work is to be carried out employ proper and serviceable Personal Protective Equipment (PPE) and other safety equipment.

Our range of certified safety harnesses and accessories will provide the level of safety and protection you need.

JSP Roofer and Fall Arrest Kits

Wearing the correct harness ensures your safety at all times. These two kits provide you with all the security and protection you need and come in a handy rucksack.

Pioneer Roofers Kit
- 2-point harness, conforms to EN361:2002
- 10m adjustable restraint lanyard
- Retractable fall limiter conforms to EN358:1999 and EN353-2:2002

Pioneer Fall Arrest Kit
- 2-point harness, conforms to EN361:2002
- Fall limiter conforms to EN355:2002
- 2m fall arrest lanyard

Product code	Description	Part number
2500698628	Pioneer Roofers Kit	FAR1105
2500698627	Pioneer Fall Arrest Kit	FAR1104

Accessories

Pioneer 2-point Harness

A harness with fully adjustable chest, shoulder and leg straps. Colour-coded shoulder and leg straps for ease of identification.
- Up to 136kg weight accommodated
- Conforms to EN361:2002

Product code	Description	Part number
2500698663	2-point harness	FAR0203

Restraint Lanyards

For use when constantly changing working position. Conforms to EN353-2:2002 and EN358:1999
- Adjustable rope grab
- 12mm Kernmantle professional rope

Product code	Description	Part number
2500698661	5m Lanyard	FAR0801
2500698650	10m Lanyard	FAR0802
2500698651	20m Lanyard	FAR0803

Horizontal Life Line

Used with adjustable restraint lanyards and is extendable to 20m between two points of anchorage.
- Tested for up to 2 persons
- Ratchet tensioning system
- Conforms to EN795:2012 Class B

Product code	Description	Part number
2500698653	Horizontal Life-Line	FAR0804

Harness Attachment Lanyard

Attaches the rope grab to harness.
- Length 30cm
- Conforms to EN353-2:2002 and EN358:1999

Product code	Description	Part number
2500698652	30cm Lanyard	FAR0805

Tool Lanyard

High-visibility 16mm elasticated tubular webbing lanyards for securing tools at height.
- Secures up to 7kg of tools

Product code	Description	Part number
1030083046	Single Lanyard	FAR0502
1030083047	Twin Lanyard	FAR0503

Did you know? It is important to carry out the correct measure of risk assessment prior to work and comply with necessary regulations. See Work at Height Regulations 2005 for guidance on what is applicable.

Mounting Systems

The mechanical safety of a solar installation lies in the quality of mounting used to secure the modules in place.

Our range of module mounting equipment includes mounting rails, mounting kits and mounting components from Schletter, Redtip, Van der Valk and Solarworld. Each is designed to make your installation hold firm in the harshest of weather.

Redtip Mounting System

For tiled or sheet roof

Simple to install REDtip mounting systems give an elegant finish to any PV array. Choose ExpressRail for tiled roofs or SwiftRail for profiled sheet roofs. Both systems benefit from tough universal, wrap around jointing plates and easy assembly clamps.

Product code	Description	Part number
2500629256	1KW Kit in a box Silver	1KW-SLV
2500629257	1KW Kit in a box Black	1KW-BLK
2500629258	Joining Kit for joining 2 x Silver	JOIN1KW-SLV
2500629259	Joining Kit for joining 2 x Black	JOIN1KW-BLK
2500629250	REDTiP ExpressRail 2400mm	ERAIL2400
2500578438	REDTiP ExpressRail 3200mm	ERAIL3200
2500578440	REDTiP ExpressRail Connector	ERAIL-C
2500595895	REDTiP SwiftRail 3200mm	SRAIL3200

Schletter Mounting System

Wide range of components

Schletter's most popular fixings and fastenings for corrugated or pitched roof systems.

Product code	Description	Part number
2500669752	Singlefix-V Solo Mounting Kit	113009-200
2500669767	Roof Hook Plain Tile	103001-001
2500669757	Roof Hook Rapid 2+ Universal	101004-000
2500669708	Roof Hook Universal Klicktop	100001-001
2500669762	Kit for corrugated roofs	111110-200
2500669761	Attachment for roof hooks	109008-000
2500669740	Module Bearing Rail 3.1M	120002-310
2500669741	Module Bearing Rail 4.2M	120002-400

Van der Valk Mounting Kits

Modular systems for all roof types

Dutch company Van der Valk Solar is a specialised enterprise that is fully focused on developing and producing solar mounting products. All systems are produced in compliance with worldwide standards and are designed to be highly modular and easy to assemble, with solutions for all common roofing types.

ValkPro+

The latest system from Van der Valk is already enthusiastically received by wholesalers and installers for its advantages.
- Faster than ever mounting
- Metal connectors for strength
- Suitable for high domestic and commercial roofs

ValkPitched - Trapezoidal

Perfect for steel roofs.
- Clamp system with universal mid- and end-panel clamps
- Watertight fixing with special thin sheet screws or rivets
- Pre-punched holes in profiles for quick and easy assembly
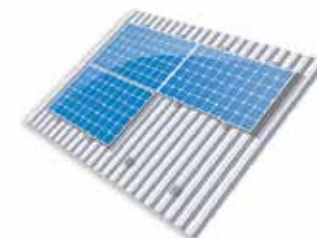
And there's more....

See the complete range of Van der Valk products below and over the page.

turn the page →

Van der Valk Mounting Kits

All-in-one kits for flat roofs

We offer a range of kits for mounting solar panels safely and securely.

Kits contain all the components you need for mounting up to four panels.

- Kits for 1, 2, 3 or 4 panels available

Product code	Description	Part number
2500818740	ValkBox suitable for 1 Panel	759003G
2500818735	ValkDouble suitable for 2 Panels	757008G
2500818736	ValkTriple suitable for 3 Panels	757010G
2500818737	ValkQuatro suitable for 4 Panels	757012G

Van der Valk Mounting Systems

Flat roof systems

Developed with a focus on wind loads, our three flat roof systems comply with the most stringent safety requirements. Various foundations are used including rubber tile carriers, mass blocks and consoles.
Full Ballast calculations and blocks suitable for each project are available on request

ValkFlat - Portrait

Pre-mounted A-frames make the ValkFlat Portrait for flat roofs even quicker to assemble.

- Clamp system designed for portrait configuration
- Any tilt angle possible
- Low ballast due to coupled design

ValkFlat - Landscape

Using an insert fixation method, the landscape oriented system for flat roofs uses pre-mounted A-frames for quick to assembly.

- Self aligning panels
- Panels supported on the long sides
- Any tilt angle possible

ValkPro+

The latest system from Van der Valk is already enthusiastically received by wholesalers and installers for its advantages.

- Faster than ever mounting
- Metal connectors for strength
- Suitable for high domestic and commercial roofs

Pitched roof systems

Our three pitched roof systems each use a different panel fixation method. This ensures a rapid and reliable mounting on tiled, steel, corrugated or standing seam roofs.

ValkPitched - Clamp

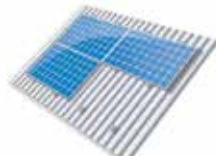A unique clamping system, ideal for all pitched roof types.

- Reduced roof fixing due to strong profile design
- Practical and safe side-mounting
- Strong, all-weather design

ValkPitched - Insert

An extremely fast-to-install panel mounting system.

- Self aligning panels make installation easy
- Sleek appearance
- Minimum number of profiles required

ValkPitched - Trapezoidal

Perfect for steel roofs.

- Clamp system with universal mid- and end-panel clamps
- Watertight fixing with special thin sheet screws or rivets

Pre-punched holes in profiles for quick and easy assembly

Go online for our complete range of Van der Valk Systems
www.RexelEnergySolutions.co.uk

Key component selection chart

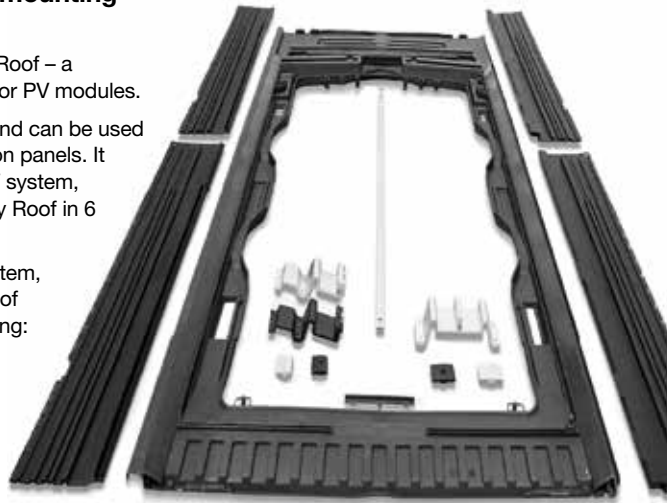| Product code	Description	Flat roofs			Pitched roofs		
		ValkFlat Portrait	ValkFlat Landscape	ValkPro+	ValkPitched Clamp	ValkPitched Insert	ValkPitched Trapezoidal
2500818675	Aluminium Base Profile Rail 2072mm - 701602072			•	•	•	
2500818676	Anodised Base Profile Rail 3083mm - 701603083			•	•	•	
2500818677	Aluminium Base Profile Rail 4094mm - 701604094			•	•	•	
2500818679	Anodised Universal Panel Clamp - 721550			•	•		•
2500818680	Black Universal Panel Clamp - 721550ZW				•		•
2500818681	Aluminium Universal Mounted Panel Clamp - 721552			•	•		•
2500818682	Anodised Universal Mounted Panel Clamp - 721552ZW				•		•
2500818683	Inverter Clamp Set - 721581	•	•				
2500818684	Aluminium Rear Foot - Middle - 724650	•					
2500818685	Aluminium Rear Foot - Side - 724651	•					
2500818686	Aluminium Front Foot - Middle - 724660	•					
2500818687	Aluminium Front Foot - Side - 724661	•					
2500818688	Side Light Profile Coupling - 724865			•	•	•	
2500818689	Aluminium Tile Clamp Plate - 725140	•		•			
2500818691	Aluminium Profile Rail-L/scape 120mm - 7270120						•
2500818692	Aluminium Profile Rail-L/scape 110 - 150mm - 7270240						•
2500818693	Aluminium Profile Rail-L/scape 150 - 190mm - 7270280						•
2500818694	Aluminium Profile Rail-P/trait 150 - 190mm - 7270320						•
2500818695	Aluminium Profile Rail-P/trait 270 - 310mm - 7270400						•
2500818696	Aluminium Profile Rail-P/trait 310 -350mm - 7270440						•
2500818697	Rubber Tile 100 x 100 x 10mm - 729610	•	•	•			
2500818698	Underlay For PVC Roof Or Under Mass Block - 729611	•	•	•			
2500818702	Stainless Steel Cable Clamp Small - 732001	•	•	•	•	•	•
2500818703	Stainless Steel Cable Clamp Large - 732003	•		•	•	•	
2500818704	Stainless Steel Cable Clamp Large - Side - 732005				•	•	
2500818709	Galvanised Roof Carrier 1500mm - 741801500	•	•	•			
2500818711	Galvanized Roof Mounting Kit 1600mm - 742101600	•	•				
2500818712	Galvanized Roof Mounting Kit 2700mm - 742102700	•	•				
2500818713	Galvanised Back Panel 1725mm - 742510		•				
2500818714	Galvanised Back Panel 2050mm - 742515		•				
2500818715	Galvanised Side Panel - Left - 742530		•				
2500818716	Galvanised Side Panel - Right - 742531		•				
2500818717	Galvanised Mass Carrier 1732mm - 742550		•				
2500818718	Galvanised Mass Carrier 2057mm - 742555		•				
2500818722	Stainless Steel Roof Hook - Side - Twist - 747845				•	•	
2500818730	Stainless Steel Threaded Rod M8 x 170mm - 747970	•	•				
2500818731	Stainless Steel Threaded Rod M8 x 220mm - 747974	•	•				
2500818732	Concrete Mass Block 20kg - 750520	•	•	•			
2500818733	Tile 30 x 15 x 4.5cm - 7506301545	•	•	•			

Easy Roof Mounting System

IRFTS

Easy Roof Evolution - In-roof mounting system for PV modules

Now available from Rexel comes Easy Roof – a revolutionary in-roof mounting system for PV modules.

Easy Roof fits to the roof just like tiles and can be used to install portrait or landscape orientation panels. It is also comparably quick to use. A 3kW system, for instance, can be installed using Easy Roof in 6 hours by 2 fitters.

Thanks to an overlapping mounting system, Easy Roof is ideal for use with all kinds of roofs and tiles and many types of building:

- Residential
- Commercial
- Public buildings
- Agricultural
- Industrial

EASY ROOF SYSTEM
BY IRFTS
SOLAR SOLUTIONS

Why use Easy Roof?

✓ Easy to handle and transport due to its low weight

✓ Many parts common to portrait and landscape layout (except frame)

✓ Fits all roofs, even distorted, with slopes from 10° to 50°

✓ Integrated top flashing

✓ Modules can be replaced or removed individually

✓ Single screw fixing clamps

✓ Fits most of PV modules currently available on the market

Portrait   Landscape   Clamps & brackets

Product code	Description	Part number
2500799479	Easyroof Frame 1685x1001 Portrait Evolution L1+	P001LV41F01
2500799480	Easyroof Frame 1685x1001 Portrait Standard	P001LV41N01
2500872210	Easyroof Frame 1685x1001 Landscape Evolution M1+	P001MV40F01
2500872215	Easyroof Frame 1685x1001 Landscape Standard M1	P001MV40N01
2500799481	Easyroof Left Flashing L1 Evolution Plus L1 Plus	P002LV40F01
2500799482	Easyroof Left Flashing L1 Standard	P002LV40N01
2500872211	Easyroof Left Flashing Evolution M1+	P002MV40F01
2500872216	Easyroof Left Flashing Standard M1	P002MV40N01
2500799483	Easyroof Right Flashing L1 Evolution Plus L1 Plus	P003LV40F01
2500799484	Easyroof Right Flashing L1 Standard	P003LV40N01
2500872212	Easyroof Right Flashing Evolution M1+	P003MV40F01
2500872217	Easyroof Right Flashing Landscape M1	P003MV40N01
2500799476	Easyroof Velux MK06 Flashing Kit	KITFR001V01
2500799477	Easyroof Velux MK08 Flashing Kit	KITFR002V01
2500799475	Easyroof Side Frieze	F001V40
2500872213	Easyroof Deflector Landscape Evolution M1+	P004MV40F01
2500872218	Easyroof Deflector Landscape Evolution M1	P004MV40N01
2500799466	EasyRoof Evolution End Clamp	A001V40
2500799467	EasyRoof Evolution End Clamp Black	A001V40N
2500799468	EasyRoof Evolution Middle Clamp	A002V40
2500799469	EasyRoof Evolution Middle Clamp Black	A002V40N
2500799470	EasyRoof Evolution End Bracket Portrait/Landscape	A003V40
2500799471	EasyRoof Evolution End Bracket Portrait/Landscape Black	A003V40N
2500799472	EasyRoof Evolution Middle Bracket Portrait/Landscape	A004V40
2500799473	EasyRoof Evolution Middle Clamp (Large)	A009V40
2500799474	EasyRoof Evolution Middle Clamp Black (Large)	A009V40N
2500799486	Easyroof Clamps Screw M6x30 (Panel Depth 30mm to 40mm)	V012V02
2500799487	Easyroof Clamps Screw M6x40 (Panel Depth 40mm to 50mm)	V013V02
2500799485	Easyroof Bracket Screw 6x40	V003V02
2500799478	Easyroof Mounting Tool	OUT002V01
2500872214	Easyroof Mounting Tool	OUT003V01

Cables & Connectors

Connecting a solar PV system to the grid and to a premises electrical supply can be completed easily with high quality accessories and equipment.

Our range of cables, connectors, AC/DC switchgears and tools enables you to do this safely, ensuring that the system installed is practical and easy to use for your customers.

Solar Cables — IEWC

Tough extension cable

High resistance to abrasion is a key feature of the insulation on these 4 and 6mm diameter cables, coupled with the ability to withstand high temperatures. For ease of termination the external sheath can be removed from the inner layer of extruded insulation.

- TV 2 Pfg 1169/08.2007
- EN 60216-1-2
- EN 50267-2-1

Product code	Description	Part number
2500706954	4mm x 50m Solar Cable	SOLBLK-4-50
2500706955	4mm x 100m Solar Cable	SOLBLK-4-100
2500706956	4mm x 250m Solar Cable	SOLBLK-4-250
2500706957	4mm x 500m Solar Cable	SOLBLK-4-500
2500706958	6mm x 100m Solar Cable	SOLBLK-6-100
2500706959	6mm x 250m Solar Cable	SOLBLK-6-250
2500706960	6mm x 500m Solar Cable	SOLBLK-6-500

H4 Connectors & Tools — Amphenol

Assembly made easy

Quality solar connectors and tooling, including a crimping tool with built-in positioner and crimping insert.

Product code	Description	Part number
2500707687	H4 Male plug S&F 4-6mm	H4M
2500707688	H4 Female socket S&F 4-6mm	H4F
2500707689	H4 Crimping Pliers S&F	H4TC0002
2500707690	Installation Wrench for H4	PV-670803

DC Switch Disconnectors — C&D ELECTRICAL CONTRACTORS LTD

Get safe string isolation

Switch disconnector from C&D designed to isolate Photovoltaic arrays from the associated inverter. Complies with the isolation requirements of BS EN 60364-7-712.

- Environment protection to IP66

Product code	Description	Part number
2500629433	16A 2P IP66 1,000V DC Isolator	PVP162

MC4 Connectors — Multi-Contact MC

The reliable MC4s

Long term stability and guaranteed reliability from the creator of MC4.

Product code	Description	Part number
2500442612	MC4 +ve Female Socket 4-6mm	32.0016
2500442614	MC4 +ve Female-Male/Male Branch	32.0018
2500442611	MC4 -ve Male Plug 4-6mm	32.0017
2500442613	MC4 +ve Male-Female/Female Branch	32.0019

DC Switch Disconnectors — ABB

PV isolation from ABB

Enclosed OTDC switches in 16A to meet the demanding requirements of photovoltaic applications.

- For safe, reliable string isolation
- 2 or 3 pole options
- M20 threaded knock-outs

Product code	Description	Part number
2500513812	16A 3P IP65 1,000V DC Isolator	OTDCP16S12M
2500513811	16A 2P IP65 660V DC Isolator	OTDCP16S11M

Did you know?

Multi-Contact created the original MC4 connector, the successor to MC3.

Positive locking for safety, they enable high voltage connections to be made without the need for specialist electrical training.

Goodbye, range anxiety. Hello, new opportunity?

Why this is the year for drivers to get 'range confident' and how installers can help to dispel the 'range anxiety' myth.

Electric vehicles have come a long way in the last decade. They're more reliable, powerful, and stylish, and cost of ownership is coming down all the time.

No surprise then that Go Ultra Low, the joint Government and car industry campaign to get drivers to switch to electric vehicles, said year-on-year sales were up 23%, with more than 115 electric cars registered every day in the first quarter of 2016, equivalent to one every 13 minutes.[1] However, there are still barriers to overcome.

A range of reasons to say goodbye to 'range anxiety'

Top of the list is 'range anxiety'. This is where consumers are worried about running out of battery power before reaching their destination or a suitable charging point. It is a fear that stems way back to the beginnings of the EV industry.

Fast forward to today, however, and the EV industry has really come into its own. We already have more than 10,000 publicly-accessible charge points located across the UK and many more new units are being installed in urban and rural areas.

Also, the Government recently announced the regional winners of its Go Ultra Low City Scheme who will share a pot of £40m to invest in the technology and initiatives needed to drive demand for low emission vehicles. These include London, Nottingham, Bristol, Milton Keynes and four other towns.

In addition, the Government announced a long-term extension to the plug-in car grant, backed by a £400 million package to treble the number of ultra-low emission vehicles on Britain's roads.

Another factor is the continual advancement in charging technology, with charging times coming down from several hours to 20 minutes - and improvements in vehicle range.

Helping to dispel the myth

How then, can installers play a role in communicating the benefits of EVs to consumers more effectively? Setting out the facts about what EVs do and don't offer - and challenging the common 'range anxiety' assumption - is an important step in making the sales message more effective.

We must remember that the average car journey in the UK is just 7.1 miles – perfect for EV driving. Given that the typical consumer would think little of driving to work or doing the school run on a low tank of petrol, challenging drivers' mindset is key to beating anxiety about range.

Getting up to speed with the EV opportunity

There is, of course, a growing new business opportunity for the traditional electrical contractor to diversify into and, in turn, reap the financial rewards.

To begin with, training is king and the good news is that there are plenty of courses specifically aimed at those contractors looking to diversifying into the EV sector.

In addition, it is also important to work with a reputable supplier with a genuine expertise in the EV charging arena to ensure the utmost in product quality, reliability and, ultimately, a best practice installation.

At Rexel we recently launched a brand new online platform, designed to help installers get on board with the electric vehicle (EV) market and make the most of the growing opportunity: Energeasy Drive.

This new service is designed to empower installers with the knowledge, training and marketing support they need to enter and succeed in UK's growing EV sector. On the platform, they'll be regularly updated with information and news on developments in electric vehicles and innovations in charging technology. And, for those wanting to find out how others have flourished in the market, success stories are available.

It is an incredibly exciting time for EV. Already last year saw the market hit record sales, a figure which is to be superseded this year as more businesses and consumers seek to embrace the financial benefits of making the switch. However, on a wider level there is still work to be done. As an industry we can look to dispel the 'range anxiety' stigma once and for all and introduce 'range confidence'.

1 BBC News, 22 April 1016

For more information about EnergeasyDrive, go to:

www.energeasy-drive.com

info@rexelenergysolutions.co.uk

0208 596 7483

Charging Infrastructure

The wide scope of access options and network schemes available for electric vehicle charge points allows site owners to choose a system best suited to their customers' needs.

These range from free-access charge points to those with one of a number of types of access control methods.

Free to use

Any person with a compatible charging lead can simply plug in and go – no payment is required. Ideal for workplace staff car parks where access is already controlled.

Keyswitch

Provides an element of control as users will need a key to start the charge process. Authorised users only will have access, whether staff members, other nominated personnel or selected customers.

Token or coin

This is the pre-payment method – tokens may be pre-issued to nominated personnel or obtained on demand. Businesses, hotels etc may wish to offer free tokens to guests or customers.

Alternatively, the use of a coin could provide a set charging period.

RFID / Smart Phone App

Internal network - Charging sessions are initiated by either an RFID card or Smartphone app and where businesses or concerns have an internal network control and monitoring system in place.

External network - Users have a pre-paid network card issued by bodies such as BMWi ChargeNow, Chargemaster Polar Network, CYC Charge-Your-Car, Source London etc. Users belong to one or more networks and are charged by them accordingly.
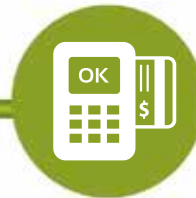
Bank Card Access / PAYG

Charging sessions are initiated by a credit or debit card at the charging point. Access and use is cost controlled and similar in operation to vending machines, car parking ticket machines, toll booths etc. This relatively new payment method is open to all, with no internal or third party controlling network involved.

Domestic Chargers

Dedicated charge points for home use allow for the installation of Mode 3 or Mode 2 charging at any convenient outdoor location.

Our chargers are attractively styled to look good in any domestic environment. They are IP rated to withstand harsh weather.

WallPod HomeCharge

WALL MOUNT | **MODE 3** | **SINGLE OUTLET**

A simple mode 3 unit compatible with all electric vehicles.
- Protective RCBO behind IP65 access window

Product code	Description	Part number
2500511332	HomeCharge 16A 1Ph - Type 1 (J1772) Tethered lead	EVWP1080
2500511338	HomeCharge 32A 1Ph - Type 1 (J1772) Tethered lead	EVWP1140
2500511347	HomeCharge 16A 1Ph - Type 2 (IEC62196) Tethered lead	EVWP2080
2500511353	HomeCharge 32A 1Ph - Type 2 (IEC62196) Tethered lead	EVWP2140
2500511341	HomeCharge 16A 1Ph - Type 2 (IEC62196) Socket without Hatchlock	EVWP2010
2500511342	HomeCharge 32A 1Ph - Type 2 (IEC62196) Socket without Hatchlock	EVWP2020

WallPod EV Ready & BikeCharge

WALL MOUNT | **MODE 2** | **SINGLE OUTLET**

Charges all current electric vehicles at mode 2. Easily and cost-effectively upgrades to full mode 3 EV charging.
- 13A IP65 socket with 10A 30mA RCBO
- Doubles as a standard outdoor IP65 rated 13A maintenance socket

Product code	Description	Part number
2500511305	EV Ready deep base 13A 1Ph	EVWP0020
2500627005	BikeCharge shallow base 13A 1Ph	EVWP0010

HomeLine

EVBOX   **GROUND MOUNT** | **WALL MOUNT** | **MODE 3** | **SINGLE OUTLET**

New HomeLine offers an attractive option

The ideal charger for private driveways or garages, HomeLine is supplied with either a single socket outlet or 6 or 8 metre Type 1 J1772 tethered lead.

The charger can be wall or pole mounted (See Accessories, page 70).

Charging up to 8 times faster than a standard socket outlet, we supply HomeLine in 2 formats – Autostart or Hub – as detailed below.
- Mode 3 protocol
- Charge activation by charge card or key fob
- Covers – separately available - can be supplied in several colours

HomeLine Autostart

The standalone charger which is ideal for many home installations. This is the easy plug-and-play solution for quick access to charge. No online management or visibility of charge costs.

HomeLine Hub

Supplied with kWh meter, RIFD reader, GPS/GSM controller and SIM card.

Hub chargers operate online, connect to the EV-Box BackOffice online management system (for more see BusinessLine on page 63) and firmware can be upgraded remotely.

Can be wall or pole mounted

Product code	Description	Part number	Rating	Outlets	Phase	Type	Connection
2500837496	HomeLine Autostart	H1160-00281	16A	1	Single	1 (J1772)	Tethered lead
2500837413	HomeLine Hub	H1160-10061	16A	1	Single	1 (J1772)	Tethered lead
2500837409	HomeLine Hub	H1161-1001	16A	1	Single	2 (IEC62196)	Socket
2500837420	HomeLine Hub	H1320-10082	32A	1	Single	2 (IEC62196)	Tethered lead

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www.RexelEnergySolutions.co.uk

Commercial Chargers

Business owners who are considering the installation of EV charge points at their premises need to think carefully about their intended usage.

Questions such as whether they will be used only by staff, staff and visitors or the general public will influence the choice of charger you install.

WallPod CommercialCharge

WALL MOUNT | MODE 3 | SINGLE OUTLET

Low cost for the workplace

A low cost, full Mode 3 charger ideal for the workplace or other commercial locations.

• Keyswitch can be added as an optional extra or built on order

• RCBO accessible via IP65 rated access door

Product code	Description	Part number	Rating	Outlets	Phase	Type	Connection
2500526427	WallPod: CommercialCharge	EVWP2016	16A	1	Single	2 (IEC62196)	Socket
2500526428	WallPod: CommercialCharge	EVWP2026	32A	1	Single	2 (IEC62196)	Socket
2500698126	WallPod: CommercialCharge	EVWP2036	16A	1	Three	2 (IEC62196)	Socket
2500698127	WallPod: CommercialCharge	EVWP2046	32A	1	Three	2 (IEC62196)	Socket
2500837405	WallPod: CommercialCharge	EVWP2146	32A	1	Single	2 (IEC62196)	Socket
2500837406	WallPod: CommercialCharge	EVWP2156	32A	1	Three	2 (IEC62196)	Socket
2500837399	WallPod: CommercialCharge	EVWP1086	16A	1	Single	1 (J1772)	Socket
2500837400	WallPod: CommercialCharge	EVWP1146	32A	1	Single	1 (J1772)	Socket
2500837403	WallPod: CommercialCharge	EVWP2086	16A	1	Single	2 (IEC62196)	Socket
2500837404	WallPod: CommercialCharge	EVWP2096	16A	1	Three	2 (IEC62196)	Socket

SecuriCharge

WALL MOUNT | MODE 3 | SINGLE OUTLET | DUAL OUTLET

Secure and lockable

These heavy duty and vandal resistant models are the answer to EV charger installation in public and exposed locations.

Available in keyswitch (PAYG) or token/coin operation.

• Charge time indicating display (PAYG only)

• Single and 3-phase versions available

Product code	Description	Part number	Rating	Outlets	Phase	Type	Connection
2500633292	SecuriCharge: Free to use	EVSC0010	16A	1	Single	2 (IEC62196)	Socket
2500633293	SecuriCharge: Free to use	EVSC0020	32A	1	Single	2 (IEC62196)	Socket
2500633282	SecuriCharge: Free to use	EVSC0030	16A	1	Three	2 (IEC62196)	Socket
2500633283	SecuriCharge: Free to use	EVSC0040	32A	1	Three	2 (IEC62196)	Socket
2500633284	SecuriCharge: Free to use	EVSC0050	16A	2	Single	2 (IEC62196)	Socket
2500633285	SecuriCharge: Free to use	EVSC0060	32A	2	Single	2 (IEC62196)	Socket
2500638441	SecuriCharge: Token or Coin Mechanism	EVSC0070	16A	1	Single	2 (IEC62196)	Socket
2500638442	SecuriCharge: Token or Coin Mechanism	EVSC0080	32A	1	Single	2 (IEC62196)	Socket
2500698144	SecuriCharge: Token or Coin Mechanism	EVSC0090	16A	1	Three	2 (IEC62196)	Socket
2500698145	SecuriCharge: Token or Coin Mechanism	EVSC0100	32A	1	Three	2 (IEC62196)	Socket
2500627014	SecuriCharge: Token Single Groove x100 - ACEU0210						

BasicCharge

GROUND MOUNT | MODE 3 | SINGLE OUTLET | DUAL OUTLET

Tough, off-street charger

These are the tried and tested classic utility pedestal with over 50,000 in use worldwide. Particularly recommended for installation in moderately secure locations – private car parks, hotels, hospitals etc.

• Supplied as free to use, but keyswitch control can be added

• Available in single and dual socket single and 3-phase combinations

• Ground mount base plate available separately

Product code	Description	Part number	Rating	Outlets	Phase	Type	Connection
2500626996	BasicCharge with hatch-lock	EVCL2005	16A	1	Single	2 (IEC62196)	Socket
2500626997	BasicCharge with hatch-lock	EVCL2006	32A	1	Single	2 (IEC62196)	Socket
2500698062	BasicCharge with hatch-lock	EVCL2007	16A	1	Three	2 (IEC62196)	Socket
2500698063	BasicCharge with hatch-lock	EVCL2008	32A	1	Three	2 (IEC62196)	Socket
2500626998	BasicCharge with hatch-lock	EVCL2015	16A	2	Single	2 (IEC62196)	Socket
2500626999	BasicCharge with hatch-lock	EVCL2016	32A	2	Single	2 (IEC62196)	Socket
2500698064	BasicCharge with hatch-lock	EVCL2017	16A	2	Three	2 (IEC62196)	Socket
2500698065	BasicCharge with hatch-lock	EVCL2018	32A	2	Three	2 (IEC62196)	Socket
2500627006	BasicCharge Ground Mount base plate - GMCP0010						

GroupManager

ROLEC | **GROUND MOUNT** | **MODE 3** | **SINGLE OUTLET** | **DUAL OUTLET**

Fully managed system

Using leading edge technology,GroupManager allows for a fully privately managed, computer controlled, multi-point EV charging infrastructure. The system gives you in-built capability to accept future alternative payment methods including bank cards, virtual wallet and mobile phone payments etc. Ideally suited to Company fleets, Clubs, Associations, Airports etc.

- Controls multiple charge points simultaneously
- Automatic authorisation of vehicle driver
- Secure GSM/ Ethernet/Wi-Fi connectivity
- Choose pedestals required, then the PC and data licences according to your needs

Product code	Description	Part No	Rating	Outlets	Phase	Type	Connection
2500795611	Autocharge Pedestal	EVGM0010	16A	1	Single	2	Socket
2500795612	Autocharge Pedestal	EVGM0020	16A	2	Single	2	Socket
2500795613	Autocharge Pedestal	EVGM0011	32A	1	Single	2	Socket
2500795614	Autocharge Pedestal	EVGM0021	32A	2	Single	2	Socket
2500795615	Autocharge Pedestal	EVGM0013	16A	1	Three	2	Socket
2500795616	Autocharge Pedestal	EVGM0023	16A	2	Three	2	Socket
2500795617	3YR Licence per PC Desktop - EVGM1000						
2500795618	3YR Data per Pedestal - EVGM1010						
2500795619	RFID Key Fob - EVGM1020						
2500627006	Basic Charge Pedestal Ground Mounting Base - GMCP0010						

StreetServ

ROLEC | **GROUND MOUNT** | **MODE 3** | **SINGLE OUTLET**

Hardwearing and durable

Heavy duty corrosion-resistant steel construction and vandal resistant – these are the solution to those high risk and susceptible public locations. Hinged and lockable access door.

Variants available:

- Single Mode 3 charging socket ONLY
- Single Mode 3 charging socket and 13A maintenance socket
- 16A and 32A versions
- Ground mounting base plate available separately

Product code	Description	Part number	Rating	Outlets	Phase	Type	Connection
2500511212	StreetServ - 13A maintenance socket incl	EVSS0010	13A	1	Single	2 & 13A	Key Access
2500511213	StreetServ - 13A maintenance socket incl	EVSS0020	32A	1	Single	2 & 13A	Key Access
2500633266	StreetServ - Mode 3 Type 2 socket only	EVSS0100	16A	1	Single	2 (IEC62196)	Key Access
2500633267	StreetServ - Mode 3 Type 2 socket only	EVSS0110	32A	1	Single	2 (IEC62196)	Key Access
2500511366	StreetServ Ground Mounting Base - GMSS0010						

BusinessLine

EVBOX | **GROUND MOUNT** | **WALL MOUNT** | **MODE 3** | **SINGLE OUTLET** | **DUAL OUTLET**

Multiple options make the Ideal business choice

Fit BusinessLine charge points to your customers' premises and give them a highly versatile charging set up modelled to fit their needs.

Choose the appropriate solution depending on the communication, power rating and number of outlets they need. All EV-Box BusinessLine chargers can be wall or pole mounted and finished to suit your customer requirements with a coloured cover.

(See Accessories, page 70).

NEW

Easy BackOffice Management
All BusinessLine Hub chargers connect to the BackOffice online management system. This gives business owners real-time access to track and manage charging sessions and costs.

BusinessLine Autostart
The standalone charger, ideal for businesses demanding low installation costs – a single power cable is needed - and no online management or visibility of charge costs. Plug-and-play solution for easy, fast access to charge.

BusinessLine Hub
Supplied with kWh meter, RIFD reader, GPS/GSM controller and SIM card. Hub chargers operate online, connects to the EV-Box BackOffice online management system and firmware can be upgraded remotely.

BusinessLine Satellite
Satellite charging stations communicate via the modem of the Hub charging station and are equipped with a kWh meter and RFID reader. A Satellite charging station always needs a Hub charging station to be connected with.

Product code	Description	Part number	Rating	Outlets	Phase	Type	Connection
2500837458	BusinessLine Autostart	B1322-0020	32A	2	Single	2 (IEC62196)	Socket
2500837496	BusinessLine Autostart	B1321-0020(P)	32A	1	Single	2 (IEC62196)	Socket
2500837446	BusinessLine Hub	B1322-1001	32A	2	Single	2 (IEC62196)	Socket
2500837449	BusinessLine Hub	B3322-1001	32A	2	Three	2 (IEC62196)	Socket
2500837477	BusinessLine Hub	B1161-1001	16A	1	Single	2 (IEC62196)	Socket
2500837452	BusinessLine Satellite	B1322-3001	32A	2	Single	2 (IEC62196)	Socket
2500837455	BusinessLine Satellite	B3322-3001	32A	2	Three	2 (IEC62196)	Socket
2500837481	BusinessLine Satellite	B1161-3001	16A	1	Single	2 (IEC62196)	Socket

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Wall Box Basic/Smart

WALL MOUNT | MODE 3 | SINGLE OUTLET | DUAL OUTLET

For indoor or outdoor use

These Mode 3 chargers are specifically designed for indoor and outdoor public car parks, but are well suited to both busy public areas and private domestic environments.

- 16 or 32A, single or 3-phase versions available
- Simple 4 point wall fixing
- IP54 rated housing
- 5 metre tethered lead (EV-WBC models only)
- Communicating models have a digital display, RFID card reader, and 'smart' metering
- Data costs apply for transmission of usage data back to either an internal or 3rd party back office system, such as CYC or CPS utilising OCPP protocol

Non-communicating

Product code	Description	Part number	Rating	Outlets	Phase	Type	Connection
2500802783	Basic Wall Box	EV-WBC	16A	1	Single	1 (J1772)	Tethered lead
2500802784	Basic Wall Box	EV-WBC 32	32A	1	Single	1 (J1772)	Tethered lead
2500802785	Basic Wall Box	EV-WBM 1 PHASE	32A	1	Single	2 (IEC62196)	Socket
2500802786	Basic Wall Box	EV-WBM 3 PHASE	32A	1	Three	2 (IEC62196)	Socket
2500802787	Basic Wall Box	EV-WBMC 1 PHASE	32A	1	Single	2 (IEC62196)	Tethered lead
2500802788	Basic Wall Box	EV-WBMC 3 PHASE	32A	1	Three	2 (IEC62196)	Tethered lead
2500802791	Smart Wall Box	EV-WBM-SMART	32A	1	Single	2 (IEC62196)	Socket
2500802793	Smart Wall Box	EV-WB2M-SMART	32A	2	Single	2 (IEC62196)	Socket

Communicating

Product code	Description	Part number	Rating	Outlets	Phase	Type	Connection
2500802789	Smart Wall Box	EV-WBC-SMART	16A	1	Single	1 (J1772)	Tethered lead
2500802790	Smart Wall Box	EV-WBC-32-SMART	32A	1	Single	1 (J1772)	Tethered lead
2500802792	Smart Wall Box	EV-WBM-SMART-3G	32A	1	Single	2 (IEC62196)	Socket
2500802794	Smart Wall Box	EV-WB2M-SMART-3G	32A	2	Single	2 (IEC62196)	Socket
2500802795	Smart Wall Box	EV-WBM-SMART-TRI	32A	1	Three	2 (IEC62196)	Socket
2500802796	Smart Wall Box	EV-WB2M-SMART-TRI	32A	2	Three	2 (IEC62196)	Socket

evolt

Company secrets...

Evolt fast charging points have been installed at the locations of 4 Lidl stores throughout the UK.

These form part of a total network of rapid chargers in 674 locations.*

*Source: Zap-Map

Standard Post

GROUND MOUNT | MODE 3 | DUAL OUTLET

Able to withstand harsh environmental conditions and tough on-street use, Standard Post is designed to be easy to use for two cars simultaneously.

- Tough polyurethane enclosure
- Dimensions 1,590 x 380 x 280mm
- RFID card operation or mobile payment app (communicating version only)

Non-communicating

Product code	Description	Part number	Rating	Outlets	Phase	Type	Connection
2500802805	Standard Post	EV-PM3	16A	2	Single	2 (IEC62196)	Socket
2500802807	Standard Post	EV-PM3 32	32A	2	Single	2 (IEC62196)	Socket
2500802809	Standard Post	EV-PT3 3PH	32A	2	Three	2 (IEC62196)	Socket
2500802811	Standard Post	EV-PT-63 3PH	63A	2	Three	2 (IEC62196)	Socket

Communicating

Product code	Description	Part number	Rating	Outlets	Phase	Type	Connection
2500802806	Smart Standard Post	EV-PM3-3G	16A	2	Single	2 (IEC62196)	Socket
2500802808	Smart Standard Post	EV-PM3-3G 32	32A	2	Single	2 (IEC62196)	Socket
2500802810	Smart Standard Post	EV-PT3-3G 3PH	32A	2	Three	2 (IEC62196)	Socket
2500802812	Smart Standard Post	EV-PT63-3G 3PH	63A	2	Three	2 (IEC62196)	Socket

Urban Post

GROUND MOUNT | MODE 3 | DUAL OUTLET

Designed and built for inner city streets and car parks, Urban Post meets the maximum protection levels required against vandalism.

- Tough stainless steel enclosure
- Dimensions 940 x 450 x 195mm
- Housing rated to IP54
- RFID card operation or mobile payment app (communicating version only)

Non-communicating

Product code	Description	Part number	Rating	Outlets	Phase	Type	Connection
2500802798	Urban Post	EV-PM3-URBAN	16A	2	Single	2 (IEC62196)	Socket
2500802801	Urban Post	EV-PM3-URBAN 32	32A	2	Single	2 (IEC62196)	Socket
2500802803	Urban Post	EV-PT3-URBAN 3PH	32A	2	Three	2 (IEC62196)	Socket

Communicating

Product code	Description	Part number	Rating	Outlets	Phase	Type	Connection
2500802797	Urban Post	EV-PM1-URBAN	16A	2	Single	2 (IEC62196)	Socket
2500802800	Urban Post	EV-PM1-URBAN 32	32A	2	Single	2 (IEC62196)	Socket
2500802799	Smart Urban	EV-PM3-3G-URBAN	16A	2	Single	2 (IEC62196)	Socket
2500802802	Smart Urban	EV-PM3-3G-URBAN 32	32A	2	Single	2 (IEC62196)	Socket
2500802804	Smart Urban	EV-PT3-3G-URBAN 3PH	32A	2	Three	2 (IEC62196)	Socket

Rapid Chargers

The growing EV industry has resulted in an increased need for commercial charging stations, with DC rapid chargers providing the fastest charge available.

Rapid chargers charge a vehicle in minutes rather than hours and are typically installed in areas where drivers can stop off for a break in a journey, such as a motorway service station.

How they work

Mode 4

Rapid charging stations employ Mode 4 charging using a dedicated DC supply.

Mode 4 provides for full control and protection, with the charging cable permanently affixed to the charger. It will only accept connection to a Mode 4 compatible vehicle.

CHAdeMO

CHAdeMO is the quick charging method delivering up to 62.5kW DC via a special electrical connector. CHAdeMO was the first DC Rapid Charging connector and are generally used by vehicle manufacturers from Asia.

CCS Combo

CCS Combo is more compact and less mechanically complicated than CHAdeMO. It adds two high-powered DC connectors underneath the standard J1772 (U.S.) and Type 2 (European) AC charge connectors.
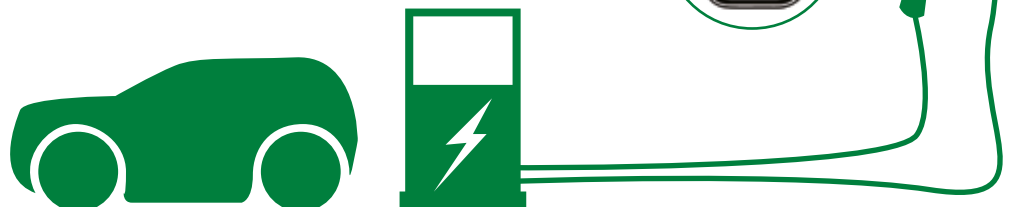
Evolt Advanced Rapid

GROUND MOUNT **MODE 4** **SINGLE OUTLET** **DUAL OUTLET**

Evolt's fastest charger

APT's Advanced Rapid range of DC chargers is the fastest charging solution in the Evolt range.

Easy to operate and fully compliant with CHAdeMO and CCS Combo protocols.

- Single and dual charger versions are available with IP54K rated stainless steel enclosures
- Communication to back office system – enabling historical charging history – by 3G modem or Ethernet cable
- Dimensions 940 x 450 x 195mm

Product code	Description	Part number
2500802817	Single DC - 50kW CCS Combo	EV-QP1 CCS
2500802818	Single DC - 50kW CHAdeMO	EV-QP1 CHADEMO
2500802819	Single DC & AC - 50kW CCS Combo & 43kW Type 2 AC	EV-QP-MIX-63 CCS
2500802820	Single DC & AC - 50kW CHAdeMO & 43kW Type 2 AC	EV-QP-MIX-63 CHADEMO
2500802821	Dual DC - 50kW CCS Combo & CHAdeMO	EV-QP2

Evolt Compact Rapid

GROUND MOUNT **MODE 4** **SINGLE OUTLET** **DUAL OUTLET**

First choice for businesses

An alternative to the Advanced Rapid Charger is the Compact model, with power module housed within the main unit.

The first choice for businesses, commercial fleet use, fuelling stations and designated sites aimed at joining cities.

- IP55 rated , Single and dual charger versions
- Various DC only or DC & AC charging options available

Product code	Description	Part number
2500802823	Single DC - 50kW CCS Combo	EV-QPC CCS
2500802822	Single DC - 50kW CHAdeMO	EV-QPC CHADEMO
2500802824	Single DC & AC - 50kW CCS Combo & 21kW Type 2 AC	EV-QPC-MIX-22 CCS
2500802825	Single DC & AC -50kW CHAdeMO & 21kW Type 2 AC	EV-QPC-MIX-22 CHADEMO
2500802826	Single DC & AC - 50kW CCS Combo & 43kW Type 2 AC	EV-QPC-MX-63 CCS
2500802827	Single DC & AC - 50kW CHAdeMO & 43kW Type 2 AC	EV-QPC-MX-63 CHADEMO
2500802828	Dual DC - 50kW CCS Combo & CHAdeMO	EV-QPC-CH-CCS
2500802829	Dual DC & Single AC - 50kW CCS Combo & CHAdeMO plus 43kW Type 2 AC	EV-QPC-CH-CCS-AC63

Leads & Accessories

Our extensive selection of top quality charging leads will enable safe, secure connectivity between charging units and vehicles.

Plus, including the correct mounting base and post will ensure you offer a sturdy and durable and long lasting installation for your users.

Rolec Leads

Hardwearing plug-to-plug leads

An extensive range of Type 1 and Type 2 charging leads for electric vehicles. Typically these are supplied with every new Toyota plugin hybrid Prius.

- • IP55 rated, single and dual charger versions

Product code	Description	Mode	Lead Length	Part number
2500511842	Type 2 IEC 62196 to Type 2 IEC 62196 16A		5m	EVPP0080
2500511844	Type 2 IEC 62196 to Type 2 IEC 62196 32A		5m	EVPP0100
2500511848	Type 1 J1772 to Type 2 IEC 62196 16A		5m	EVPP0140
2500511850	Type 1 J1772 to Type 2 IEC 62196 32A		5m	EVPP0160
2500837395	Type 1 J1772 to Type 2 IEC 62196 32A		10m	EVPP0163
2500627004	Type 2 IEC 62196 to Type 2 IEC 62196 32A 3Ph		5m	EVPP0105
2500837396	Carry Case for leads up to 5m		-	EVPP0320

EV Connector Leads
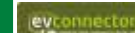
Enjoy safe, efficient charging

The proven and safe solution for portable EV charging. Our Mode 2 and Mode 3 charging leads enable safe and confident charging for all electric vehicle owners.

Mode 2 leads comprise J1772 Type 1 and IEC62196 Type 2 versions and have a full range of safety features including RCD, power failure and thermal monitoring and easy to operate graphic touch panel. Both leads supplied with carry case.

Mode 3 leads are top quality charging leads which enable safe, secure, and durable connectivity between charging units and vehicles.

Both leads are impact and 'run-over' proof.

Product code	Description	Mode	Lead Length	Part number
2500795632	Type 1 J1772 to 13A Plug with RCD	2	-	DSI-EVSE-EV16P-5C
2500795633	Type 2 IEC 62196 to 13A Plug with RCD	2	-	DSIEC2e-EVSE-EV16P-5C
2500795620	Type 1 J1772 to Type 2 IEC 62196 16A	3	5m	DSI-DSIEC-EV-16P-5C
2500795621	Type 1 J1772 to Type 2 IEC 62196 16A	3	10m	DSI-DSIEC-EV-16P-10C
2500795622	Type 1 J1772 to Type 2 IEC 62196 32A	3	5m	DSI-DSIEC-EV-32P-5C
2500795623	Type 1 J1772 to Type 2 IEC 62196 32A	3	10m	DSI-DSIEC-EV-32P-10C
2500795624	Type 2 IEC 62196 to Type 2 IEC 62196 16A	3	5m	DSIEC2b-2e-EV16P-5C
2500795625	Type 2 IEC 62196 to Type 2 IEC 62196 16A 3Ph	3	5m	DSIEC2b-2e-EV16P-5C3
2500795626	Type 2 IEC 62196 to Type 2 IEC 62196 16A	3	10m	DSIEC2b-2e-EV16P-10C
2500795627	Type 2 IEC 62196 to Type 2 IEC 62196 16A 3Ph	3	10m	DSIEC2b-2e-EV16P-10C3
2500795628	Type 2 IEC 62196 to Type 2 IEC 62196 32A	3	5m	DSIEC2b-2e-EV32P-5C
2500795629	Type 2 IEC 62196 to Type 2 IEC 62196 32A 3Ph	3	5m	DSIEC2b-2e-EV32P-5C3
2500795630	Type 2 IEC 62196 to Type 2 IEC 62196 32A	3	10m	DSIEC2b-2e-EV32P-10C
2500795631	Type 2 IEC 62196 to Type 2 IEC 62196 32A 3Ph	3	10m	DSIEC2b-2e-EV32P-10C3
2500795634	Carry Case for leads up to 5m	-	-	EV CARRIER CASE

Mounting Posts & Protection Barriers

Mount your charging stations securely

A selection of low cost mounting posts and poles in galvanised steel and hardwood, designed for the Rolec WallPod and EV-Box ranges of products.

The EV-Box concrete foundation allows the on-ground mounting pole to be secured.

Product code	Description	Part number	
2500923338	EV-Box Combi-Pole 1900mm	290150	N
2500923339	EV-Box Combi-Pole Adaptor HomeLine	290160	N
2500923340	EV-Box Combi-Pole Adaptor BusinessLine	290165	N
2500633253	Rolec root mounting post	EVFP0010	
2500633254	Rolec surface mounting post	EVFP0020	
2500633255	Rolec hardwood post	EVFP0030	
2500633256	Rolec mounting plate	EVFP0040	
2500633257	Rolec mounting plinth	EVFP0050	
2500837510	EV-Box wall bracket	290600	
2500837509	EV-Box BusinessLine mounting post 1400mm	290300	
2500837511	EV-Box concrete foundation	476200	
2500633259	Rolec root protection barrier	EVCB0020	
2500633261	Rolec ground barrier	EVCB0040	

EV-Box Covers

The finishing touch

A range of covers for the EV-Box HomeLine and BusinessLine range of chargers.

CAN BE BRANDED

	Product Code *HomeLine*	Product Code *BusinessLine*
White	2500837442	2500837467
Light Grey	2500837440	2500837465
Dark Grey	2500837441	2500837466
Light Green	2500837437	2500837462
Dark Green	2500837438	2500837463
Blue	2500837439	2500837464

Colours are a guide only

EV-Box Accessories

Essential extras

Charging station accessories for the EV-Box HomeLine and BusinessLine range.

Product code	Description	Part number
2500837516	External modem box	470050
2500837535	RFID charging card	999670
2500837536	RFID key fob	999675

Did you know?

Early electric cars include one bought by Queen Alexandra, wife of King Edward VII.

It was the first practical electric road carriage and from full charge it could manage 40 miles!

EV ChargeCheck Portable Tester

ROLEC EV

Will it work?

Peace of mind guaranteed with EV ChargeCheck

Quickly and simply carry out the full range of tests you need.

When your reputation rests on the safety of your work, it pays to have the right tool for the job.

✓ **Simulates an electric vehicle**

✓ **Comprehensive and accurate tester**

✓ **Protective carry bag included**

SPECIAL OFFER PRICE **£350**

Fully test your installations

Ensures a professional, comprehensive and efficient test of charger performance and safety parameters.

- Tests Types 1 and 2 tethered leads, and Type 2 sockets
- Tests IEC61851-1 Mode 3 compliance
- Enables RCD/RCBO and earth loop testing
- Supplied with 1m Type 1 to Type 2 adaptor lead + carry bag
- Weighs only 2.5kg

Product code	Description	Part number
2500580418	Rolec EV ChargeCheck portable tester	EVTU0018

energeasy **drive**
by **REXEL**

Demand for electric vehicle charge points **is growing fast**

So is the demand for electricians to install them

Register **today**

Become an Energeasy Drive installer

Electric vehicle sales are growing every month and are now in their multi-thousands. New vehicle charging points are needed by:

- Vehicle owners at home
- Company fleet owners
- Local authorities

As a Rexel Energeasy Drive installer you will enjoy a package of benefits to give you the knowledge and tools you need to penetrate this new market.

Our vehicle charging infrastructure is growing.

As a Rexel Energeasy installer you can be part of it.

energeasy **drive**
by **REXEL**

Register today as an Energeasy Drive installer and you will gain the knowledge, training and marketing support you need to make the most of this growing opportunity

ALL FOR **FREE**

Find out more on our Installer Website: **www.energeasy-drive.co.uk**

REXEL | ENERGY SOLUTIONS

Infrared Heating

Far Infrared Heaters make efficient use of an ages old discovery, when William Herschel discovered Far Infrared 200 years ago.

Our Infrared panel and space heaters are the sleek, silent, safe way to heat a building or space using radiant heat.

How they work

Heat transfer through radiation

Far infrared heaters operate in wavelengths which particularly benefit humans, animals and objects. Human and animal skin absorb Far infrared specifically well, because of its 80% water composition. Objects are heated effectively as are the walls and building structure or 'thermal mass'.

1kW Herschel Far Infrared panel

$1m^2$
$90°C$

4m

2.5m
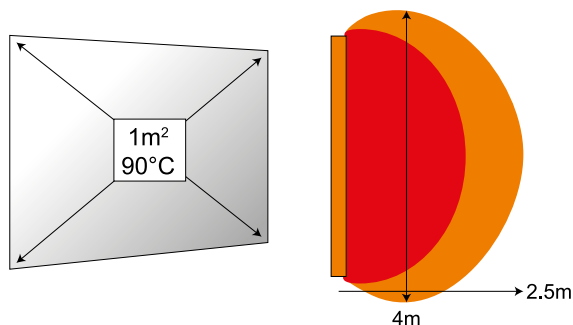
You will feel the heat directly on your skin in the red zone in front of the heater as shown in the diagram. The infrared will travel through the air and heat the thermal mass of the building.

Heat transfer occurs when the emitted radiant energy meets a target object and the energy is absorbed. This is a more efficient form of heat transfer than convection.

Herschel Far Infrared Heaters

Stylish, efficient and sustainable electric heating

✓ **Easy to install**

✓ **Attractive**

✓ **Efficient**

✓ **Low running cost**

✓ **No maintenance**

NEW

HERSCHEL
far infrared heaters

And there's more....

See the complete range of Herschel Far Infrared Heaters over the page.

turn the page →

Why use Far Infrared?

Our Far Infrared electric panel heaters take the form of a discreet white, picture, mirror or glass finish and are mounted on the wall or ceiling. Heaters are ideal for all domestic and many commercial heating environments. They are attractive to look at and blend into the room design seamlessly.

We supply heaters in various sizes and power ratings, dependent on your customer's room size.

The picture panel can be ordered with a standard or bespoke picture of your choice. Mirrors can be placed in humid areas without any condensation forming on the mirror glass.

Herschel's space heating range uses ceramic far infrared emitters to heat large spaces such as warehouses, retail areas and public halls, and can create zone heating if required.

Herschel Far Infrared Panel Heaters

Select White Panels - With frame

Product code	Part number	Colour	Power (W)	Dimensions (mm)	Weight (kg)	Heated Area (m^2)
2500823296	HS350-W	White	350	595 x 595 x 25	3	6-8
2500823297	HS540-W	White	540	900 x 600 x 25	5	9-12
2500823298	HS700-W	White	700	1195 x 595 x 25	8	13-15

Select XL White Panels - Frameless, high performance white aluminium

Product code	Part number	Colour	Power (W)	Dimensions (mm)	Weight (kg)	Heated Area (m^2)
2500823299	XL-HS250-W	White	250	300 x 900 x 25	5	4-6
2500823300	XL-HS300-W	White	300	595 x 595 x 25	6	5-7
2500823301	XL-HS600-W	White	600	1000 x 650 x 25	11	11-13
2500823373	XL-HS850-W	White	850	1200 x 850 x 25	16	19-21
2500823374	XL-HS1000-W	White	1000	1200 x 850 x 25	16	19-21

Select XL available soon in mirror and glass - contact us for more information

Inspire White Panels - Frameless, white aluminium

Product code	Part number	Colour	Power (W)	Dimensions (mm)	Weight (kg)	Heated Area (m^2)
2500823302	CL-200	White	250	600 x 300	4	3-5
2500823303	CL-300	White	350	900 x 300	5	4-7
2500823304	CL-400	White	420	600 x 600	6	5-8
2500823305	CL-500	White	550	800 x 600	8	7-12
2500823306	CL-750	White	750	900 x 700	10	11-18
2500823307	CL-750L	White	820	1700 x 400	10	11-18
2500823308	CL-900	White	1000	100 x 800	12	13-22
2500823309	CL-1200	White	1200	1200 x 800	15	17-29
2500823310	CL-1200L	White	1250	1600 x 600	15	17-29

Inspire Glass Panels - Frameless

Product code	Part number	Colour	Power (W)	Dimensions (mm)	Weight (kg)	Heated Area (m^2)
2500823318	GH-300	White	350	900 x 300	8	4-7
2500823323	GH-500	White	550	800 x 600	12	7-12
2500823326	GH-750	White	750	900 x 700	16	11-18
2500823329	GH-900	White	900	1000 x 800	20	13-22
2500823306	GH-300	Black	350	900 x 300	8	4-7
2500823321	GH-500	Black	550	800 x 600	12	7-12
2500823324	GH-750	Black	750	900 x 700	16	11-18
2500823327	GH-900	Black	900	1000 x 800	20	13-22
2500823320	GH-300	Green	350	900 x 300	8	4-7
2500823322	GH-500	Green	550	800 x 600	12	7-12
2500823325	GH-750	Green	750	900 x 700	16	11-18
2500823328	GH-900	Green	900	1000 x 800	20	13-22

Herschel Far Infrared Panel Heaters Continued...

Structured Inspire Glass Panels - Frameless

Product code	Part number	Colour	Power (W)	Dimensions (mm)	Weight (kg)	Heated Area (m^2)
2500823330	SG-500	Black	550	800 x 600	12	7-12
2500823331	SG-500	White	550	800 x 600	12	7-12
2500823332	SG-750	Black	750	900 x 700	16	11-18
2500823333	SG-750	White	750	900 x 700	16	11-18

Inspire Mirror Panels - Frameless

Product code	Part number	Colour	Power (W)	Dimensions (mm)	Weight (kg)	Heated Area (m^2)
2500823311	SH-200	Mirror	250	600 x 300	5	3-5
2500823312	SH-300	Mirror	350	900 x 300	7	4-7
2500823313	SH-400	Mirror	420	600 x 600	8	5-8
2500823314	SH-500	Mirror	550	800 x 600	12	7-12
2500823315	SH-750	Mirror	750	900 x 700	16	11-18
2500823316	SH-900	Mirror	900	100 x 800	20	13-22
2500823317	SH-1200L	Mirror	1250	1600 x 600	25	17-29

Inspire Picture Panels - Bespoke, framed and frameless options

Part number	Standard	Standard Framed	Bespoke	Bespoke Framed	Power (W)	Dimensions (mm)	Weight (kg)	Heated Area (m2)
BH-200	2500823336	2500823337	2500823334	2500823335	250	600 x 300	4	3-5
BH-300	2500823340	2500823341	2500823338	2500823339	350	900 x 300	6	4-7
BH-400	2500823344	2500823345	2500823342	2500823343	420	600 x 600	8	5-8
BH-500	2500823348	2500823349	2500823346	2500823347	550	800 x 600	10	7-12
BH-750	2500823352	2500823353	2500823350	2500823351	750	900 x 700	13	11-18
BH-900	2500823356	2500823357	2500823354	2500823355	900	1000 x 800	16	13-22
BH-1200	2500823360	2500823361	2500823358	2500823359	1200	1200 x 800	20	17-29

Herschel Far Infrared Space Heaters

| Product code	Part number	Colour	Power (W)	Dimensions (mm)	Weight (kg)	Indoor Heated Area (m^2)	Outdoor Heated Area (m^2)
2500823362	IR2-1300B	Black	1300	510 x 100 x 170	3.4	9	n/a
2500823363	IR2-1300W	White	1300	510 x 100 x 170	3.4	9	n/a
2500823364	IR3-1950B	Black	1950	760 x 100 x 170	4.4	12	n/a
2500823365	IR3-1950W	White	1950	760 x 100 x 170	4.4	12	n/a
2500823366	IR360-1950W	White	1950	450 x 450 x 150	4.4	15	-
2500823367	IRXL2-1300	Black	1300	550 x 100 x 140	3.4	9	6
2500823368	IRXL3-1950	Black	1950	800 x 100 x 140	4.4	12	9
2500823369	IRP4	White	2600	750 x 400 x 110	21	-	-
2500823370	IRPULSAR-2400B	Black	2400	300 x 380 x 800	28	20	n/a
2500823371	IRPULSAR-1800W	White	1800	300 x 380 x 800	28	15	n/a
2500823372	HT-2600W	White	3600	750 x 400 x 110	37	-	n/a

Air Source Heat Pumps

Air source heat pumps offer a renewable heat and hot water source to new and existing commercial and domestic environments.

We supply a range of units from some of the market leaders in this field. Single and three phase units are available, plus pre-packaged heat pump kits to make installation easier.

How they work

To heating system

Heat source (air)

2 Compressor

4 Expansion Valve

1 Evaporator

3 Condenser
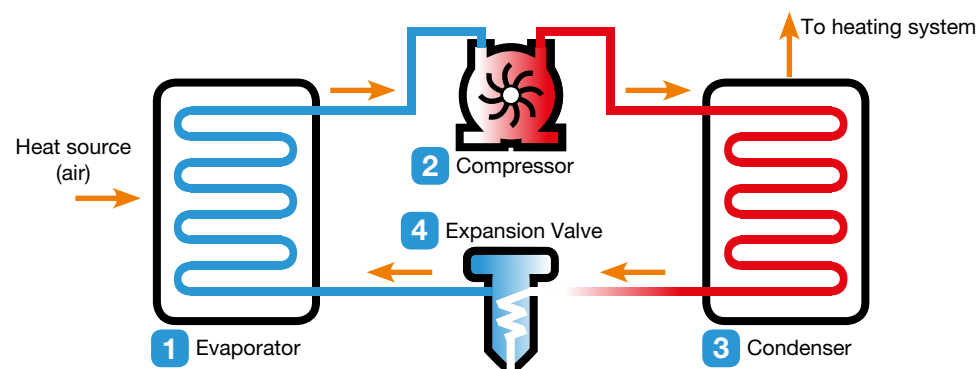
1 Energy from the outside air is transferred to the liquid refrigerant and circulated through the evaporator.

2 The heated refrigerant gas is then compressed to reduce its volume but increases its temperature.

3 The compressed gas enters the condenser surrounded by water from the heating system, where it gives up its heat.

4 The cooler liquid refrigerant then passes through the expansion valve which reduces the pressure.

LG Therma V Heat Pumps

LG Therma V range

With a wide range of power ratings available and in mono, split and high temperature verions, the LG Therma V range is a fully flexible system that will meet most application needs.

All are fully MCS approved and the range is compliant with domestic RHI requirements, subject to MCS installation.

Outdoor, 9kW   Outdoor, 12, 14, 16kW   Indoor

Therma V Mono

Suited to properties with older radiators.
Maximum water temperature of 57°C.

APPROVED PRODUCT MCS

Type	Description	Product code	Part number	Weight (kg)	H x W x D (mm)	Heating capacity (+7°C)	Heating capacity (-7°C)	CoP (-7°C)	CoP (-7°C)
Mono	3kW 1PH	2500679037	HM03M1.U42	47	334 x 950 x 330	3.00/—	0.73/—	4.1	-
	5kW 1PH	2500679038	HM05M1.U42	51	907 x 1,239 x 390	4.99/4.99	1.13/1.38	4.4	-
	7kW 1PH	2500679039	HM07M1.U42	52	907 x 1,239 x 390	7.00/7.00	1.63/2.00	4.3	-
	9kW 1PH	2500679040	HM09M1.U42	52	907 x 1,239 x 390	9.00/9.00	2.20/2.65	4.1	-
	12kW 1PH	2500679041	HM12M1.U32	53	1,450 x 1,239 x 390	12.00/14.50	2.67/4.00	4.49	-
	14kW 1PH	2500679042	HM14M1.U32	53	1,450 x 1,239 x 390	14.00/15.50	3.15/4.69	4.44	-
	16kW 1PH	2500679031	HM16M1.U32	53	1,450 x 1,239 x 390	16.00/16.10	3.81/5.07	4.2	-

Therma V Split

For use with under-floor heating and radiators with a max water temperature of 55°C.

APPROVED PRODUCT MCS

		Indoor unit				Outdoor unit			
Type	Description	Product Code	Part Number	Weight (kg)	H x W x D (mm)	Product Code	Part Number	Weight (kg)	H x W x D (mm)
Split	9kW 1PH	2500678991	HU091.U41	52	834 x 950 x 330	2500678995	HN0914.NK1	48	850 x 490 x 315
	12kW 1PH	2500678992	HU121.U31	53	1380 x 950 x 330	2500678996	HN1616.NK1	54.5	850 x 490 x 315
	14kW 1PH	2500678993	HU141.U31	53	1380 x 950 x 330				
	16kW 1PH	2500678994	HU161.U31	53	1380 x 950 x 330				

Therma V High Temperature Split

Designed for use with older properties which have poor insulation and old radiators.

		Indoor unit				Outdoor unit			
Type	Description	Product Code	Part Number	Weight (kg)	H x W x D (mm)	Product Code	Part Number	Weight (kg)	H x W x D (mm)
Split	16kW 1PH	2500679036	HU161H.U32	-	1380 x 950 x 330	2500679036	HN1610H.NK2	94	1080 x 520 x 330

Panasonic Aquarea Heat Pumps

Innovative solution from a brand leader

The ideal heating solution for new and existing buildings. Panasonic's Aquarea range is supplied in 3 ranges according to needs and environment.

High Performance, T-Cap and **HT** are all available in monobloc (requiring no refrigerated connection), or split/bi-bloc (with separate indoor and outdoor unit).

Single phase versions are shown below.

Three phase models are available on request

Aquarea High Performance Range

Ideal for low consumption houses and available from 3 to 16kW.

APPROVED PRODUCT
MCS

Type	Description	Indoor unit				Outdoor unit			
		Product Code	Part Number	Weight (kg)	H x W x D (mm)	Product Code	Part Number	Weight (kg)	H x W x D (mm)
Split	7kW 1PH	2500668317	WH-SDC07F3E5	43	892 x 502 x 353	2500668318	WH-UD07FE5	48	795 x 900 x 320
	9kW 1PH	2500668319	WH-SDC09F3E5	43	892 x 502 x 353	2500668308	WH-UD09FE5	49	795 x 900 x 320
	12kW 1PH	2500668309	WH-SDC12F6E5	45	892 x 502 x 353	2500668310	WH-UD12FE5	50	1340 x 900 x 320
	14kW 1PH	2500668311	WH-SDC14F6E5	46	892 x 502 x 353	2500668312	WH-UD14FE5	51	1340 x 900 x 320
	16kW 1PH	2500668313	WH-SDC16F6E5	46	892 x 502 x 353	2500668302	WH-UD16FE5	53	1340 x 900 x 320

Type	Description	Product code	Part number	Sound Pressure Level (dBA)	H x W x D (mm)	Heating capacity (+7°C)	Heating capacity (-7°C)	CoP (-7°C)	CoP (-7°C)
Mono	5kW 1PH Heating & Cooling	2500668315	WH-MDC05F3E5	47	865 x 1283 x 320	5	4.5	5.08	2.98
	6kW 1PH Heating only	2500552009	WH-MDF06E3E5	47	865 x 1283 x 320	6	5.15	2.65	2.65
	9kW 1PH Heating only	2500552010	WH-MDF09E3E5	49	865 x 1283 x 320	9	7.7	2.1	2.1
	12kW 1PH Heating only	2500552012	WH-MDF12C6E5-1	50	1410 x 1283 x 320	12	9	2.81	2.81
	14kW 1PH Heating only	2500552013	WH-MDF14C6E5-1	51	1410 x 1283 x 320	14	10	2.7	2.7
	16kW 1PH Heating only	2500552014	WH-MDF16C6E5-1	53	1410 x 1283 x 320	16	10.7	2.62	2.62

Aquarea T-Cap Range

The high efficiency system designed to work at temperatures down to -15°C.

APPROVED PRODUCT
MCS

	Description	Indoor unit				Outdoor unit			
		Product Code	Part Number	Weight (kg)	H x W x D (mm)	Product Code	Part Number	Weight (kg)	H x W x D (mm)
Split	9kW 1PH	2500668299	WH-SXC09F3E5	44	892 x 502 x 353	2500668300	WH-UX09FE5	49	1340 x 900 x 320
	12kW 1PH	2500668301	WH-SXC12F6E5	45	892 x 502 x 353	2500668290	WH-UX12FE5	50	1340 x 900 x 320

Panasonic Aquarea Heat Pumps Continued...

Aquarea HT Range

For traditional and cast iron radiator systems, Aquarea HT is the most appropriate.

APPROVED PRODUCT
MCS

	Description	Indoor unit				Outdoor unit			
		Product Code	Part Number	Weight (kg)	H x W x D (mm)	Product Code	Part Number	Weight (kg)	H x W x D (mm)
Split	9kW 1PH	2500668285	WH-SHF09F3E5	46	892 x 502 x 353	2500668286	WH-UH09FE5	49	1340 x 900 x 320
	12kW 1PH	2500668287	WH-SHF12F6E5	47	892 x 502 x 353	2500668288	WH-UH12FE5	50	1340 x 900 x 320

	Description	Product code	Part number	Sound Pressure Level (dBA)	H x W x D (mm)	Heating capacity (+7°C)	Heating capacity (-7°C)	CoP (-7°C)	CoP (-7°C)
Mono	9kW 1PH Heating Only	2500513348	WH-MHF09D3E5	49	1283 x 1410 x 320	9.17	9.78	4.79	2.65
	12kW 1PH Heating Only	2500513350	WH-MHF12D6E5	50	1283 x 1410 x 320	11.58	11.91	2.61	2.61

Dimplex Heat Pumps

A-Class   Air-Eau

A class of its own

The A-Class range of inverter driven Air Source Heat Pumps gives excellent levels of heating and hot water performance at temperature as low as -20°C.

Air-Eau designed for speedy installation

The Air-Eau range is designed as a plumb and go solution, since it combines all main system and hydraulic components in a single outdoor unit.

Easier installation results as the monobloc units only require cylinder and control valve connection. No refrigerant expertise is needed.

A-Class Range

Buy one of our A-Class packs available online or choose a heat pump alone.

	Description	Product code	Part number	Weight (kg)	Width x Height x Depth (mm)	Heating capacity (+7°C)	Heating capacity (-7°C)	CoP (-7°C)	CoP (-7°C)
Mono	12kW 1PH Heating Only	2500610961	A12M (49056)	130	932 x 1571 x 401	12	12	3	3
	16kW 1PH Heating Only	2500610962	A16M (46499)	130	932 x 1571 x 401	12	14.3	3	3

Air-Eau Range

One of the most advanced, efficient and high performance air source heat pump ranges available.

	Description	Product code	Part number	Weight (kg)	Width x Height x Depth (mm)	Heating capacity (+7°C)	Heating capacity (-7°C)	CoP (-7°C)	CoP (-7°C)
Mono	6kW 1PH Heating Only	2500490979	42835	122	865 x 1,283 x 320	6	5.9	2.8	2.8
	9kW 1PH Heating Only	2500490980	42842	122	865 x 1,283 x 320	9	8.9	11.4	11.4

Air Radiators

Air radiators are the ideal heat emitter for air and ground source heating. They deliver high efficiency heating and cooling by incorporating a fan.
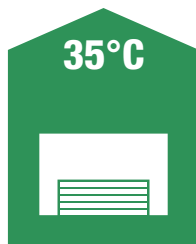
Our range complements any heat pump system and we can supply radiators from leading brands such as Panasonic, Dimplex and Jaga.

Aquarea Radiators — Panasonic

Attractive in the home

These high efficiency Aquarea Air terminals are extremely slim, with a depth of just under 13cm. Blending easily into the home, the elegant design is easy to see.

Product code	Description	Part number
2500602748	Aquarea 200 Ltr w/ Radiant Panel	PAW-AAIR-200
2500602749	Aquarea 700 Ltr w/ Radiant Panel	PAW-AAIR-700
2500602750	Aquarea 900 Ltr w/ Radiant Panel	PAW-AAIR-900
2500668277	Aquarea 200 Ltr High Efficiency	PAW-AAIR-200L
2500668266	Aquarea 700 Ltr High Efficiency	PAW-AAIR-700L
2500668267	Aquarea 900 Ltr High Efficiency	PAW-AAIR-900L

Smartrad Radiators — Dimplex

Stylish design

Ideal for use with heat pumps or condensing boilers, stylishly designed thermal emitters with black or white glass front or metal front.

Product code	Description	Part number
2500489811	Smartrad 800W White Glass	SRX080WG
2500489812	Smartrad 1200W White Glass	SRX120WG
2500489813	Smartrad 1400W White Glass	SRX140WG
2500489814	Smartrad 1800W White Glass	SRX180WG
2500355538	Smartrad 800W Metal	SRX080M
2500355542	Smartrad 1200W Metal	SRX120M
2500355543	Smartrad 1400W Metal	SRX140M
2500355544	Smartrad 1800W Metal	SRX180M

How they work

Water temperature needed to produce 2.0kW of energy
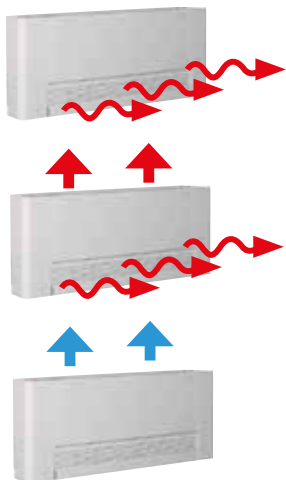
65°C — Traditional Cast Iron Radiator

35°C — Panasonic Aquarea Radiator

Air radiators deliver high efficiency heating and cooling by incorporating a fan.

Operating on heating mode with radiator using only radiant effect

Operating on heating mode with radiant effect and fan mode

Operating on cooling mode with fan

JAGA Radiators — jaga

Contemporary design

Three new innovative ranges from Jaga.

Strada · Knockonwood · Play

Product code	Description	Part number
2500679021	Strada, White, 500x600mm	S.05006011.W
2500679022	Strada, White, 500x1000mm	S.05010011.W
2500679023	Strada, White, 500x1400mm	S.05014011.W
2500679024	Strada, White, 650x600mm	S.06506011.W
2500679013	Strada, White, 650x1000mm	S.06510011.W
2500679014	Strada, White, 650x1400mm	S.06514011.W
2500679015	Strada, Grey, 500x1000mm	S.05006011.G
2500679016	Strada, Grey, 500x1000mm	S.05010011.G
2500679017	Strada, Grey, 500x1400mm	S.05014011.G
2500679018	Strada, Grey, 650x600mm	S.06506011.G
2500679007	Strada, Grey, 650x1000mm	S.06510011.G
2500679008	Strada, Grey, 650x1400mm	S.06514011.G
2500679009	Knockonwood, Oak, 300x1200mm	K.03012011.O

| Product code	Description	Part number
2500679010	Knockonwood, Oak, 550x1200mm	K.05512011.O
2500679011	Knockonwood, Oak, 800x1200mm	K.08012011.O
2500679002	Play, White, 500x800mm	P.05008011W
2500679006	Play, White, 500x1200mm	P.05012011W
2500679003	Play, Boy, 500x800mm	P.05008011B
2500678997	Play, Boy, 500x1200mm	P.05012011B
2500679004	Play, Girl, 500x800mm	P.05008011G
2500678998	Play, Girl, 500x1200mm	P.05012011G
2500679005	Play, Piano (B/W), 500x800mm	P.05008011P
2500678999	Play, Piano (B/W), 500x1200mm	P.05012011P
2500679000	JAGA Play Adaptors	5094
2500679012	Angled Thermostatic Valve (Wall)	13418
2500679001	Straight Thermostatic Valve (Floor)	13425

Biomass Boilers

Using wood pellets as fuel is an effective, dependable heating solution and a more environmentally friendly alternative to a fossil fuel boiler.

Our biomass boiler Partner, GreenFlame, is part of the Trianco brand. We supply internal and external models in a range of outputs, as well as many accessories.

Greenflame Biomass Boilers
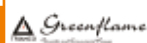
Environmentally friendly heating in a range of capacities

Manufactured to the highest of standards, Greenflame biomass wood pellet boilers are superbly produced using precision engineering.

Internal models range from 15kW to 28kW for domestic use and 50kW to 199kW for commercial applications.

The external models are firm favourites with local authorities, housing associations and homeowners, and come complete with twin walled stainless steel flue system and a textured weatherproof casing. The same technical features as internal models apply, but with added frost stat protection.

Greenflame PLUS models include;

GSM Modem – Using a normal phone SIM card with data package, the user can turn the boiler on or off by text to the modem. Low pellet alerts also notify the users phone.

Heat Meter – An approved industry standard and RHI compliant heat meter is fitted to measure heat generated by the boiler.

Greenflame Biomass Boilers

Product code	Description	Part number	Placement	Capacity (kW)	Width x Height x Depth (mm)	Store (kg)	Weight (kg)
2500697221	18kW Internal	FG3717	Internal	-	495 x 1100 x 1150	-	-
2500556939	25kW Internal	FG3704	Internal	8.4 - 28	600 x 1100 x 1057	N/A	180
2500566707	50kW Internal	FG3712	Internal	16.5 - 55	750 x 1178 x 1552	N/A	1,540
2500556933	85kW Internal	FG3708	Internal	25.5 - 85	1760 x 1817 x 1085	N/A	1,940
2500556934	100kW Internal	FG3709	Internal	30 - 100	1760 x 1817 x 1085	N/A	1,940
2500566705	125kW Internal	FG3710	Internal	-	1690 x 1940 x 1323	N/A	-
2500566706	200kW Internal	FG3711	Internal	-	2250 x 1940 x 1790	N/A	-
2500619948	Eco 10kW with 110kg store	FG3730	Internal	1.0 - 10	1155 x 1275 x 865	110	320
2500619949	Eco 10kW with 214kg store	FG3731	Internal	1.0 - 10	1460 x 1360 x 865	214	335
2500619950	Eco 15kW with 110kg store	FG3732	Internal	1.5 - 15	1155 x 1275 x 865	110	320
2500619951	Eco 15kW with 214kg store	FG3733	Internal	1.5 - 15	1460 x 1360 x 865	214	335
2500619952	Eco 25kW with 110kg store	FG3734	Internal	2.5 - 25	1155 x 1275 x 865	110	320
2500619953	Eco 25kW with 214kg store	FG3735	Internal	2.5 - 25	1460 x 1360 x 865	214	340
2500619944	Eco 40kW with 127kg store	FG3736	Internal	3.0 - 40	1155 x 1375 x 865	127	375
2500619945	Eco 40kW with 221kg store	FG3737	Internal	3.0 - 40	1460 x 1485 x 865	221	400
2500619946	Eco 60kW with 145kg store	FG3738	Internal	4.0 - 60	1155 x 1375 x 865	145	420
2500619947	Eco 60kW with 292kg store	FG3739	Internal	4.0 - 60	1460 x 1485 x 865	292	460
2500681216	Eco Air 60kW with 145kg store	FG3743	-	-	1155 x 1375 x 865	145	-
2500681217	Eco Air 60kW	FG3744	-	-	1125 x 2585 x 465	-	-
2500656662	18kW External	FG3716	External	-	495 x 1100 x 1150	-	-
2500556941	25kW External	FG3706	External	8.4 - 28	600 x 1100 x 1000	N/A	180
2500703447	40kW External with 125kg store	FG3747	External	-	1177 x 1573 x 740	125	-

Greenflame Accessories

Pellet feed and heat measurement

The vacuum feeder removes dust from pellet fuel before delivering them to the burner.

Alternatively the auger feed rotates pellets through the system via an internal helical screw blade.

The heat meter is an RHI compliant unit fitted to measure heat generated.

Product code	Description	Part number
2500566712	Short Auger C/W Motor	FG3722
2500566713	Long Auger (3m) with Motor	FG3723
2500572586	25m Hose	FG3725
2500572587	Heat Meter	FG3726
2500662928	Eco vacuum system	FG3740
2500697275	Combi Pod	FG3748
2500697276	200kg External pellet store	FG3749
2500697279	Heat Meter Superstatic 449	SP400225
2500697280	Modem	SP400226
2500638443	Nova Adaptor	SP400575

Smart Heating

Making energy saving easier, homes are becoming smarter as intelligent sensors let us control heating from a range of internet connected devices.

Our Nest learning thermostat has a range of clever features that help your customers to save energy. They are designed to be easy to fit to new or existing homes.

Control from anywhere

Connect Nest to Wi-Fi and you can control it from your mobile, tablet or laptop.

Just download the free Nest app.

Nest Learning Thermostat

NEW

Programmer and thermostat in one

The Nest Learning Thermostat is an ideal heating management tool for your customers. Nest learns the heating schedule to programme itself, notices when the occupier is out and automatically turns down the heat. It can be controlled from a mobile or tablet.

- Learns and manages your energy use
- Controlled from your phone
- Gives a monthly energy report
- Knows when you're away

New Generation 3

Here we have the latest model of Nest boasting a thinner, sleeker design with a bigger, sharper display.

Hot water control is also now included among its features.

- Hot water schedule which users can adjust from the App
- Thermostat turns off water when user is away from home
- Boost feature controlled from the App

Product code	Description	Part number	From
2500835024	Generation 3 Learning Thermostat	T3010GB	**£165.84**
2500835025	Generation 3 Learning Thermostat Stand	AT2100ED	**£24.17**
2500681236	Learning Thermostat	T200377	**£149.17**

Nest Accessories

Nest Cam - indoor web camera

- Streams video in super-clear HD
- 130° wide-angle camera
- Includes advanced night vision and zoom

Nest Protect - Smoke and CO2 detector

- Detects all types of fire
- Heads-up early warning function

Product code	Description	Part number	From
2500798878	NEST Indoor Camera	NC1102GB	**£132.50**
2500798877	2nd Gen Smoke/Carbon Monoxide Alarm (Wired)	S3003LWGB	**£74.17**
2500798876	2nd Gen Smoke/Carbon Monoxide Alarm (Battery)	S3000BWGB	**£74.17**

Energy Monitoring

Measuring and monitoring energy is fast becoming an obligatory process for many households as conventional energy costs rise.

We stock a small range of energy monitors that can be used to track where your customers' energy is being used and which appliances use the most.

Smappee Home Energy Monitor

smappee

Real time monitoring and control made easy

Smappee gives you:

- Clear insights into your energy consumption
- No subscription fee, this is a one-time purchase
- Free Smappee app from the App Store and Google Play and automatic free updates
- From 10 to 30% savings on your electricity cost, without losing comfort
- You contribute to a better environment
- One free Comfort Plug included

If your customer has Solar Panels, you need to select the proper Smappee version in order to guarantee correct measurements.

Product code	Description	Part number	From
2500818767	Smappe T Energy Monitor 1Ph Solar Pack	T-1PH	**£128.17**
2500818768	Smappe T Energy Monitor 3Ph Pack	T-3PH	**£128.17**
2500818769	Smappe S Energy Monitor 3Ph Solar Pack	S-3PH	**£196.46**

Smappee Pro Commercial Energy Monitor

smappee

Smart energy control for SMEs

Turn your business sites into a smart energy network. Smappee Pro is an energy management solution that combines industrial-grade features with the ease of use and cost-efficiency of the Smappee award-winning home energy solution.

Features include:

- Real time visibility across multiple sites
- Web portal for 24/7 monitoring
- Monitor down to individual appliances
- Easy to install current clamps – no need to power down
- Add Comfort Plugs for the ability to control appliances from a mobile

Product code	Description	Part number	From
2500850559	Smappee Pro Energy Monitor Starter Kit (Includes 3 200a clamps)	SMAP PRO STARTER KIT	**£578.00**
2500850558	Smappee Pro Energy Monitor (Excluding current clamps)	SMAP PRO EXCL CT	**£506.00**
2500850560	Smappee Pro current clamp - 50A	SMAP PRO 50A CT	**£15.66**
2500850561	Smappee Pro current clamp - 100A	SMAP PRO 100A CT	**£19.02**
2500850562	Smappee Pro current clamp - 200A	SMAP PRO 200A CT	**£23.15**
2500850563	Smappee Pro current clamp - 400A	SMAP PRO 400A CT	**£48.84**
2500850564	Smappee Pro current clamp - 800A	SMAP PRO 800A CT	**£73.24**
2500850565	Smappee Pro Annual Licence	SMAP PRO ANNUAL LICENSE	**£253.00**

Smappee Accessories

smappee

Smappee Gas & Water Monitor

NEW

Gives you clear and simple insights into your gas and water consumption.

Smappee Comfort Plug

Turns appliances on or off remotely with this wireless adapter which fits between the device and the power point. Please note that one is already included in the Smappee Home Energy Monitor.

Product code	Description	Part number	From
2500892468	Smappee Gas & Water Monitor	GW1	**£96.26**
2500818770	Smappee Energy Monitor Comfort Plug (3 Pack) + Remote	COMFORT PLUG 3PK	**£26.55**
2500818771	Smappee Energy Monitor Comfort Plug (6 Pack) + Remote x2	COMFORT PLUG 6PK	**£45.50**

Voltage Optimisation

Optimising the voltage used in a commercial or residential building means lamps need to be changed less often and energy savings made overall.

Our commercial and domestic voltage optimisation units from GWE reduce mains voltage down to 220V, while being simple to install and maintenance free.

How they work

High energy saving Typically 20-50%	Modest energy saving Typically 10-15%	Little or no energy saving Typically 0-5%
• Switch start fluorescent lighting, (with magnetic ballast) • Discharge lighting, with SON metal halide or mercury lamps and magnetic ballast • Lighting with compact fluorescent lamps and magnetic ballast • Tungsten halogen lighting • Fixed speed motors that are not fully loaded (i.e. air conditioning, refrigeration, pumps and fans)	• Fixed speed heavily loaded motors • Some older types of IT equipment, VDUs and TVs • Non-thermostatically controlled heating (e.g. towel rails, hand dryers, hair dryers and certain types of electric heating)	• High frequency (HF) lighting • Some IT equipment • Motors with VSDs • Thermostatically controlled heating (e.g. kettles & ovens)

GWE Eco-Max Domestic & Commercial

Reduce electricity the smart way

Eco-Max uses voltage optimisation to reduce voltage to its most efficient level of around 220V. This minimises the energy wasted in heat and vibration, significantly reducing your carbon footprint and energy consumption.

Simple installation

Installation is quick as the unit fits easily between electricity meter and consumer unit or distribution board.

The unit is available as a single phase home unit (Eco-Max Home) and the three phase commercial unit (Eco-Max Commercial).

Eco-Max Commercial Advanced

Eco-Max Commercial Advanced gives you added features including 3 savings settings.

- Reduces your electricity consumption by up to 19%
- Three adjustable savings settings for optimum voltage control
- Saves you money 24hrs a day, 7days a week
- Reduces your carbon footprint
- Your electrical appliances last longer
- Works with solar PV, wind power and heat pumps etc
- Easily installed by qualified electrician
- Made in the UK
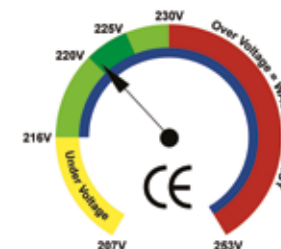
Ideal voltage range for maximum efficiency

Domestic

Product code	Description	Part number
2500602751	Eco-Max Home 63A	EMH63
2500602752	Eco-Max Home 100A	EMH100

Commercial

Product code	Description	Part number
2500605591	Eco-Max Commercial 100A	EMC100
2500605592	Eco-Max Commercial 200A	EMC200
2500605593	Eco-Max Commercial 315A	EMC315
2500605594	Eco-Max Commercial 400A	EMC400
2500605595	Eco-Max Commercial 100A Adv	EMC100i
2500605596	Eco-Max Commercial 200A Adv	EMC200i
2500605599	Eco-Max Commercial 315A Adv	EMC315i
2500605597	Eco-Max Commercial 400A Adv	EMC400i

Company secrets...

GWE have over 25 years experience in industrial and commercial controls and their systems are currently making vast savings for a host of blue chip companies, including ASDA, Tesco, Sainsbury's, Amazon.co.uk, Unipart, & Panasonic to name a few.

WILL IT WORK?

ELECTRIC VEHICLE CHARGE POINT TESTER

SPECIAL OFFER PRICE **£350**

ChargeCheck quickly and simply carries out the full range of tests you need when installing EV charge points.

So both you and your customer stay safe.

SEE PAGE 71 FOR MORE INFORMATION

ROLEC EV

Go online for the complete range of additional products and extras at **www.RexelEnergySolutions.co.uk**

Rexel | ENERGY SOLUTIONS