



Grid connect solar and LED lighting specialists

# Product Guide



Grid connect solar and LED lighting specialists

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# fairlanegreen<sup>TM</sup>

Grid connect solar and LED lighting specialists

FairlaneGreen is the Australia's leading provider for cleaner energy solutions for households.

The Fairlane Group is an Australian family business that has its origins going back 45 years ago starting in the small suburban streets of Carnegie in Melbourne. Quickly establishing the company as one of the leading electrical contractors in the growing residential construction industry, Fairlane became the preferred contractor of choice for many of the large building firms.

These included Glenville Homes, Fasham, Jennings and Henley Homes to mention a few that became part of the Australian building vernacular.

FairlaneGreen was formed , after recognizing the apparent need for a cleaner energy solution for the householder. After consultation with new home owners a growing number were looking for ways to reduce their energy consumption and ultimately minimize their carbon footprint in the home.

By modifying behaviour and making small incremental changes in routine and purchasing decisions, with the aid of a Home Sustainability Assessment Calculator, these objectives were met.

Having become an accredited home sustainability assessor FairlaneGreen hopes to inspire all



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Hyundai Heavy Industries is one of the largest heavy industry companies in the world. Since it's establishment in 1977, the Electro Electric System Division (EES) has applied state-of-the-art technology and training to it's engineering workforce.

In 2005, EES made a new business plan to take part in the business of solar energy, through production facilities located in Korea. Currently, the production capacity of solar modules has reached 270MW/year.



Dimensions	983 mm (38.7") (W) × 1476 mm (58.11") (L) × 35 mm (1.38") (H)
Weight	Approx. 17.0 kg (37.5 lbs)
Solar cells	54 cells in series (6×9 matrix)
Output cables	4 mm <sup>2</sup> (12AWG) cables with polarized weatherproof connectors, IEC certified, Length 1.0 m (39.4")
Junction box	IP65, weatherproof, IEC certified
Bypass diodes	3 bypass diodes to prevent power decrease by partial shade
Construction	Front : High transmission low-iron tempered glass, 3.2 mm (0.126") Encapsulant : EVA      Back Sheet : Weatherproof film
Frame	Clear anodized aluminum alloy type 6063

Mono-crystalline Type		HIS-S□□MF		
		220	223	225
Nominal output (Pmpp)	W	220	223	225
Voltage at Pmax (Vmpp)	V	27.6	27.6	27.8
Current at Pmax (Impp)	A	8.0	8.1	8.1
Open circuit voltage (Voc)	V	33.6	33.7	33.7
Short circuit current (Isc)	A	8.5	8.5	8.6
Output tolerance	%	+3/-0		
No. of cells & connections	pcs	54 in series		
Cell type	—	6" Mono-crystalline silicon		
Module efficiency	%	15.2	15.4	15.5
Temperature coefficient of Pmpp	%/K	-0.44	-0.44	-0.44
Temperature coefficient of Voc	%/K	-0.34	-0.34	-0.34
Temperature coefficient of Isc	%/K	0.052	0.052	0.052



**PACKING CONFIGURATION**  
Weight per panel: 17kg

**25 Panels per Pallet**  
Container Quantity: 350/20ft 700/40ft

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# SMA Solar Technology



## SUNNY BOY



### SUNNY BOY 2000HF / 2500HF / 3000HF

Simply high yields

This is the new generation of galvanically isolated inverters.

Packed full of the latest SMA technology, the Sunny Boy HF series provides the highest yields for transformer inverters of this performance class.

Technical data	Sunny Boy 2000HF	Sunny Boy 2500HF	Sunny Boy 3000HF
<b>Input (DC)</b>			
Max. DC power (@ $\cos \varphi = 1$ )	2100 W	2600 W	3150 W
Max. DC voltage	700 V	700 V	700 V
MPP voltage range	175 V – 560 V	175 V – 560 V	210 V – 560 V
DC nominal voltage	530 V	530 V	530 V
Min. DC voltage / start voltage	175 V / 220 V	175 V / 220 V	175 V / 220 V
Max. input current / per string	12 A / 12 A	15 A / 15 A	15 A / 15 A
Number of MPP trackers / strings per MPP tracker	1 / 2	1 / 2	1 / 2
<b>Output (AC)</b>			
AC nominal power (@ 230 V, 50 Hz)	2000 W	2500 W	3000 W
Max. AC apparent power	2000 VA	2500 VA	3000 VA
Nominal AC voltage; range	220, 230, 240 V; 180 – 280 V	220, 230, 240 V; 180 – 280 V	220, 230, 240 V; 180 – 280 V
AC grid frequency; range	50, 60 Hz; $\pm 4.5$ Hz	50, 60 Hz; $\pm 4.5$ Hz	50, 60 Hz; $\pm 4.5$ Hz
Max. output current	11.4 A	14.2 A	15 A
Power factor ( $\cos \varphi$ )	1	1	1
Phase conductors / connection phases	1 / 1	1 / 1	1 / 1
<b>Efficiency</b>			
Max. efficiency / Euro-eta	96.3 % / 95.0 %	96, 3 % / 95.3 %	96.3 % / 95.4 %



General Data	All Models
Dimensions (WxDxH)	348 x 580 x 145 mm
Weight	17kg
Operating Temp Range	-25°C ... +60°C

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#### Accessories



SMA Plug-in Grounding  
PLUG-IN-GRD-10-NR



Quick Module RS485  
+ multi-function relay  
485QM-10-NR

#### High Yields

- Maximum efficiency 96.3 %
- The best tracking efficiency with OptiTrac MPP tracking
- Shade management with OptiTrac Global Peak \*

#### Safe

- Galvanic isolation
- Integrated ESS DC switch-disconnector
- Theft protection

#### Simple

- Quick and easy configuration thanks to Quick Module
- DC plug system SUNCLIX
- Suitable for generator grounding

#### Communicative

- Graphic display
- Bluetooth® technology as standard

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## SUNNY BOY



### For small and mid-range systems

The Sunny Boy solar inverters characteristics are optimally suitable for use in small and mid-range systems. They impress with first class efficiency, user-friendliness and reliability.

The Sunny Boys have been repeatedly acclaimed - and are constantly developing.

	<b>SUNNY BOY</b>	<b>1600TL</b>	<b>1700</b>	
	Max DC Voltage:	600V	400V	
	Max AC Power:	1600W	1700W	
	Max. Efficiency:	96%	93.5%	
	Mounting:	Wall Bracket Included		
	DIM (WxHxD):	440 x 339 x 214 mm - 16kg-25kg		
	Warranty: 5 years	DC Connection: Sunclix (Supplied)		
	<b>SUNNY BOY</b>	<b>2500</b>		
	Max DC Voltage:	600V		
	Max AC Power:	2500W		
	Max. Efficiency:	94.1%		
	Mounting:	Wall Bracket Included		
	DIM (WxHxD):	440 x 339 x 214 mm - 28kg / 32kg		
	Warranty: 5 years	DC Connection: Sunclix (Supplied)		
	<b>SUNNY BOY</b>	<b>3300</b>	<b>3800</b>	
	Max DC Voltage:	500V	500V	
	Max AC Power:	3600W	3000W	
	Max. Efficiency:	95.2%	95.6%	
	Mounting:	Wall Bracket Included		
	DIM (WxHxD):	450 x 352 x 236 mm - 38kg		
	Warranty: 5 years	DC Connection: Sunclix (Supplied)		
	<b>SUNNY BOY</b>	<b>3000TL</b>	<b>4000TL</b>	<b>5000TL</b>
	Max DC Voltage:	550V	550V	550V
	Max AC Power:	3000W	4000W	5000W
	Max. Efficiency:	96%	96.2%	96.5%
	Mounting:	Wall Bracket Included		
	DIM (WxHxD):	470 x 445 x 180 mm (W x H x D) - 22/25/25kg		
	Warranty: 5 years	DC Connection: Sunclix (Supplied)		

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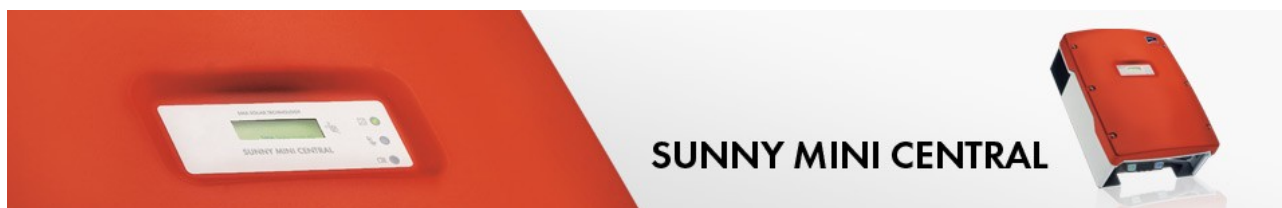
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## SUNNY MINI CENTRAL

### No other pays off faster

Peak efficiencies of 98% and a low specific price: The Sunny Mini Centrals promise high yields and short payback times.

The devices are optimally suited to the setup of mid-range PV systems from 5kW. They are fitted with die-cast aluminium housings and can be installed outdoors close to the generator. Graded power classes ensure maximum planning freedom.



#### SUNNY MINI CENTRAL

Max DC Voltage:  
Max AC Power:  
Max. Efficiency:  
Mounting:  
DIM (WxHxD):  
Warranty: 5 years

#### 5000A

600V  
5500W  
96.1%  
Wall Bracket Included  
468 x 613 x 242 mm - 62/63kg  
DC Connection: Sunclix (Supplied)

#### 6000A

600V  
6000W  
96.1%



#### SUNNY MINI CENTRAL

Max DC Voltage:  
Max AC Power:  
Max. Efficiency:  
Mounting:  
DIM (WxHxD):  
Warranty: 5 years

#### 6000TL

700V  
6000W  
98%  
Wall Bracket Included  
468 x 613 x 242 mm - 31/32/33kg  
DC Connection: Sunclix (Supplied)

#### 7000TL

700V  
7000W  
98%

#### 8000TL

700V  
8000W  
98%



#### SUNNY MINI CENTRAL

Max DC Voltage:  
Max AC Power:  
Max. Efficiency:  
Mounting:  
DIM (WxHxD):  
Warranty: 5 years

#### 9000TL

700V  
9000W  
98%  
Wall Bracket Included  
468 x 613 x 242 mm - approx. 35kg  
DC Connection: Sunclix (Supplied)

#### 10000TL

700V  
10000W  
98%

#### 11000TL

700V  
11000W  
98%

**SMA Windy Boys, Sunny Islands and accessories also available, including:**



Sunny Beam Bluetooth

**SMA Sunnybeam  
SMA School Meterbox  
SMA Ambient Temp Sensor  
SMA PiggyBack Cards  
SMA Service Kit**

**SMA Sunny Webbox  
SMA Sunny Sensorbox  
SMA Wind Sensor  
SMA Wireless Set  
& More...**



Sunny Webbox

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Source7



## WINDY BOY

### Wind energy

#### WINDY BOY - grid-coupling small wind energy plants

The grid-coupling of small wind energy plants is simpler than ever - with the Windy Boy from SMA. It converts the variable frequency voltage from wind generators into grid conforming AC voltage. Thus the energy can be used privately, excess energy fed into the mains grid and respectively remunerated. The Windy Boy works perfectly together with the Sunny Island in stand-alone grids for the electrification of remote areas.

The Windy Boys are suitable for wind generators from a wide variety of manufacturers and power classes. They guarantee an optimal power adjustment and very high energy yields.

They are also best suited for flexible and worldwide use - ensured by the robust housing, the SMA Grid Guard disconnection device, the electric separation to the grid along with an automatic 50 or 60 Hz recognition.



#### WINDY BOY 5000A / 6000A

Reliable, flexible and highly efficient: Windy Boys for systems above ca. 3 kW.

- Max. DC-voltage: 600 V / 600 V / 800 V
- Max. AC-power: 5500 W / 6000 W / 7000 W



#### WINDY BOY 3300 / 3800

Reliable, flexible and highly efficient: Windy Boys for systems above ca. 3 kW.

- Max. DC-voltage: 500 V
- Max. AC-power: 3600 W / 3800 W



#### WINDY BOY 1200 / 1700

Specialist for small wind energy plants.

- Max. DC-voltage: 400 V
- Max. AC-power: 1200 W / 1700 W



#### WINDY BOY PROTECTION BOX

Surge voltage protection and rectifier in one. For virtually all types of generator and system performances.

Available in three voltage classes: 400 V, 500 V and 600 V

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# SMA Solar Technology

[www.sma-australia.com.au](http://www.sma-australia.com.au)



Packed full of pioneering technology: thanks to the new Optiflex technology with two MPP inputs and its very broad input voltage range, the three-phase Sunny Tripower is suited to almost any module configuration.

In addition, it is highly flexible in terms of the plant design – right up to the megawatt range. The Sunny Tripower meets all the requirements for reactive power supply, utility interaction management and grid support, thus making a reliable contribution to grid management.

## SUNNY TRIPOWER

### 10000TL / 12000TL / 15000TL / 17000TL

The three-phase inverter for easy system design

Technical data	Sunny Tripower 10000TL	Sunny Tripower 12000TL	Sunny Tripower 15000TL	Sunny Tripower 17000TL
<b>Input (DC)</b>				
Max. DC power (@ $\cos \phi = 1$ )	10200 W	12250 W	15340 W	17410 W
Max. DC voltage	1000 V	1000 V	1000 V	1000 V
MPP voltage range	320 V – 800 V	380 V – 800 V	360 V – 800 V	400 V – 800 V
DC nominal voltage	600 V	600 V	600 V	600 V
Min. DC voltage / start voltage	150 V / 188 V	150 V / 188 V	150 V / 188 V	150 V / 188 V
Max. input current / per string	A: 22 A, B: 11 A / 33 A	A: 22 A, B: 11 A / 33 A	A: 33 A, B: 11 A / 33 A	A: 33 A, B: 11 A / 33 A
Number of MPP trackers / strings per MPP tracker	2 / A: 4, B: 1	2 / A: 4, B: 1	2 / A: 5, B: 1	2 / A: 5, B: 1
<b>Output (AC)</b>				
AC nominal power (@ 230 V, 50 Hz)	10000 W	12000 W	15000 W	17000 W
Max. AC apparent power	10000 VA	12000 VA	15000 VA	17000 VA
Nominal AC voltage; range	3 / N / PE, 230 V / 400 V; 160 V – 280 V			
AC grid frequency; range	50, 60 Hz; –6 Hz, +5 Hz	50, 60 Hz; –6 Hz, +5 Hz	50, 60 Hz; –6 Hz, +5 Hz	50, 60 Hz; –6 Hz, +5 Hz
Max. output current	16 A	19.2 A	24 A	24.6 A
Power factor ( $\cos \phi$ )	0.8 leading ... 0.8 lagging			
Phase conductors / connection phases / power balancing	3 / 3 / –	3 / 3 / –	3 / 3 / –	3 / 3 / –
<b>Efficiency</b>				
Max. efficiency / Euro-eta	98.1 % / 97.7 %	98.1 % / 97.7 %	98.1 % / 97.7 %	98.1 % / 97.7 %

General Data	All Models
Dimensions (WxHxD)	348 x 580 x 145 mm
Weight	17kg
Operating Temp Range	-25°C ... +60°C

[www.sma-australia.com.au](http://www.sma-australia.com.au)

#### Accessories



RS485 interface  
DM-485CB-10



DC overvoltage protector  
(type II), input A  
DCSPD KIT1-10



DC overvoltage protector  
(type II), inputs A and B  
DCSPD KIT2-10

#### Efficient

- Maximum efficiency of 98.1 %
- OptiTrac-Global Peak for best tracking efficiency\*
- Bluetooth® Communication

#### Safe

- Electronic string fuse and failure detection
- Integrable DC overvoltage protector (Type II)
- String current monitoring

#### Flexible

- DC input voltage up to 1,000 V
- Integrated grid management functions
- Tailor made plant design with Optiflex

#### Simple

- Three-phase feed-in
- Cable connection without tools
- DC plug system SUNCLIX
- Easily accessible connection area

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## SUNNY ISLAND 5048 / 5048-US

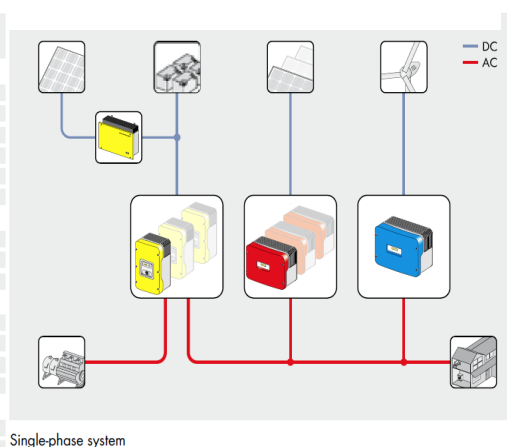


### VACATION RESORT BUCKLEY'S BUSH RETREAT

#### The island manager SUNNY ISLAND 5048

Broome, a popular holiday destination, is located in the northwest of Australia. With daily temperatures of over 35 degrees Celsius, an air humidity of over 60 percent and a very salty air, this region bears a challenge for most electronic devices – but not for the Sunny Island 5048. In "Buckley's Bush Retreat", a small tourist region in the North of Broome, the off-grid system supplies besides a family home also three comfortably furnished cottages which are equipped with air conditioning, TV, kitchen, fridge and lighting. The excessive energy can be used to pump water from a source into a water supply tower. The weather conditions in Broome allow a pure energy supply with photovoltaic at a solar irradiation of 1,880 kWh/kWp so that the diesel generator can be omitted in most cases. The advantages of Sunny Island supply are persuasive: the system operates so well that more and more Australians plan to have their energy supplied with SMA technology.

Technical data	Sunny Island 5048
<b>AC output (loads)</b>	
Nominal AC voltage (adjustable)	230 V (202 V - 253 V)
Nominal frequency (adjustable)	50 Hz / 60 Hz (45 Hz - 65 Hz)
Continuous AC power at 25 °C / 45 °C	5000 W / 4000 W
AC output power at 25 °C for 30 min / 1 min / 3 s	6500 W / 8400 W / 12000 W
Nominal AC current / max. AC current (peak)	21.7 A / 120 A for 60 ms
THD output voltage / power factor (cos φ)	< 3 % / -1 to +1
<b>AC input (generator or grid)</b>	
AC input voltage (range)	230 V (172.5 V - 264.5 V)
AC input frequency (range)	50 Hz / 60 Hz (40 Hz - 70 Hz)
Max. input current (adjustable) / max. input power	56 A (0 A - 56 A) / 12.8 kW
<b>Battery DC input</b>	
Battery voltage (range)	48 V (41 V - 63 V)
Max. battery charging current / continuous charging current at 25 °C	120 A / 100 A
Battery type / battery capacity (range)	lead, NiCd / 100 - 10,000 Ah
Charge control	IUoU process
<b>Efficiency / operating consumption</b>	
Max. efficiency	95 %
Own consumption with no load / standby	25 W / 4 W



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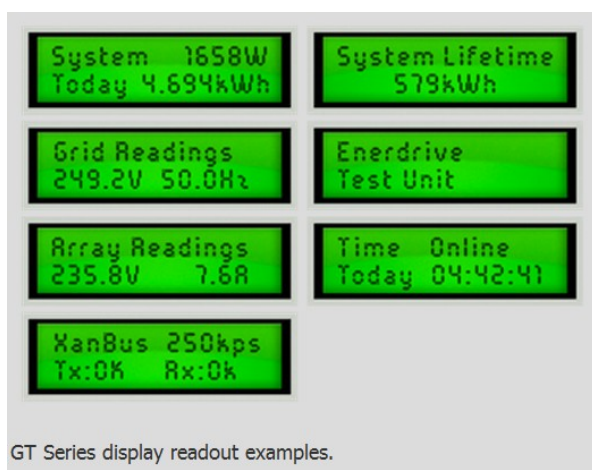
**Schneider**  
Electric  
**Xantrex™ GT Series**

When Xantrex set out to develop the GT Series Grid Tie Solar Inverter, they listened to the experts - renewable energy distributors and installers. The result is a high performance inverter that makes utility interactive installations easier and more cost effective.

The PV string inverters offer high efficiency, low install costs, improved aesthetics & high reliability.

Specifications	GT 2.8	GT 5.0
Max DC Voltage	600V	600V
Max AC Power	2800W	5000W
Max Efficiency	95.0%	95.9%

Mounting	Wall Bracket Included
Warranty	5 Year Standard
DIM (HxWxD) 2.8	60 x 40.5 x 12 cm
DIM (HxWxD) 5.0	866 x 518 x 15.5 cm
Weight 2.8/5.0	19.3kg / 27.0kg
Enclosure	NEMA 3R (Outdoor)
Input Socket	MC3



#### FREE TO DOWNLOAD: GT View Program



Sample Readout.



The Cleenergy SolarPowerHouse range of grid connect inverters provide the latest technology in a smart package. They are highly reliable and light weight. SolarPowerHouse inverters have a wide input range with a high efficiency. They are designed to be simple to install and maintenance free which means a great rate of return on your investment.

## Features and Benefits

### Wide input Range 100V – 500V

With such a wide voltage range it is easy to design your solar system. The range of panels available on the market is greatly increased so that you always can find a suitable panel for your installation.

### Great efficiency with a higher than 94% conversion rate

SolarPowerHouse enables you to get the best available output, the efficiency is due to our leading design and quality of components making the most of what is generated.

### Ease of Installation

SolarPowerHouse is a transformerless inverter. The light weight and specially designed mounting bracket make the installation quick and, more importantly, safe for installers.

### Full Range of Communications ports

SolarPowerHouse has as a built in RS 232 and USB port which is used not only for in-field software enhancements, and diagnostics, but is also used to output information when required to an external computer or display panel. The optional RS485 and SNMP interfaces complete the port range ensuring a port for any need.

### Full Certification

Solar Power house is fully certified for Australian conditions, IEC 61000-3-3, AS-3100, AS-4777, C-Tick.

## Specifications

Model	SPH15	SPH20	SPH30	SPH40	SPH60
Maximum input power	1750W	2340W	3510W	4700W	6250W
Maximum input voltage	500VDC				600VDC
MPPT voltage range	150V to 500V				150V to 600V
Nominal output power	1500W	2000W	3000W	4000W	6000W
Operational voltage range	220V~250V				
Operational frequency range	50/60Hz, auto selection 47.5<f50<50.2 for 50Hz 59.3<f60<60.5 for 60Hz				
European efficiency	93%	94%	95%	95%	
Protection degree	IP65				
Size (PHYSICAL) mm (HxWxD)	131x312x362		141x312x362	131x464x384	142x464x515
Weight (NET)/kg	14			21	27

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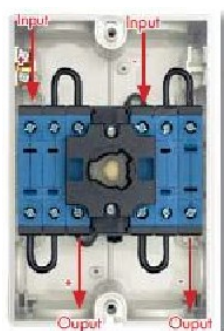
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Connecting diagram	Tightening torque for terminal screws	Strip length
	KFD25 1,25 Nm	KFD25 9 

## General Data

Switch Disconnecter according to EN 60947-3 respectively VDE 0660 Part 107

Utilization Category: for Photovoltaic Application with rapid handle operation

DC-21B (Switching of resistive loads, including moderate overloads)

Overvoltage category III, pollution degree II

Terminal Lugs finger-proof according to VDE 0660-514 and BGV A3, IP 20

Maximum permissible wire size (use copper wire only)  
single core wire or stranded wire  
flexible wire

KFD25: 6 mm<sup>2</sup>  
KFD25: 4 mm<sup>2</sup>

## Mounting

Plastic Enclosures, Protection IP66/67, totally insulated, threaded entries,

OFF-position lockable with padlocks, cover coupling with interlock

## Rated Value/Order Number

Operational Current (enclosed up to 50 °C)  
DC-21B

	19 A	23 A	25 A
1,2 x Voc 2 pol	1380 V	1200 V	1020 V
1,2 x Voc on each side	690 V	600 V	510 V
Insulation Voltage	1500 V	1500 V	1500 V

**telergon**  
gorian team

[www.telergon.com](http://www.telergon.com)

According to IEC 947-3	600V	700V	800V	900V	1000V
Current rating 4 contacts in series	32A	32A	32A	32A	32A
Current rating 2 contacts in series	32A	27A	23A	20A	13A



- Description:** Compact small DIN rail mounting non polarised isolator 32A rated up to 1000V DC, DIN profile complete with direct mounting handle, padlocking on the handle, complete with DC looping connections **ZFV32**.
- Supplied with pre-wired links.**
- Application:** Non Polarised Solar Isolators
- Certification:** Arsenal research to International Electrotechnical Commission EN 60947.3

**Rated Operation Category DC21B**

Rated insulation voltage (Ui)	1000V
Rated short-time withstand current (1 sec)	1.0kA
Max Padlock Size (mm)	5mm
Number of Poles	4
Power Loss / pole	4.0W
Mechanical Endurance	10,000
Weight 4P	0.2kg
Operating Torque	1Nm
Cable Size mm2	4-16

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**solar**  
inception

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Clenergy's PV-ezRack Solar Roof is a roof-mounting solution suitable for most types of pitched and flat roofs.

Using our innovative PV-ezRack Rail, Z-modules and standard roof hooks, PV-ezRack SolarRoof has become one of the most versatile rooftop solutions in the world, delivering a safe and cost-effective solution to installers.



Clean Energy Council



## Specifications

Installation Site:	Pitched or flat roof
Roof Slope:	Up to 60°
Max. Building Height:	Up to 20m
Wind Load:	60m/s
Applicable Module:	Framed or frameless
Module Orientation:	Landscape or portrait
Standards:	AS/NZS 1170
Material:	Anodised Aluminium
Warranty:	10 years*



PV-EzRack Rail



Splice Kit



Mid Clamp



End Clamp



Tile Interface



Tin Interface

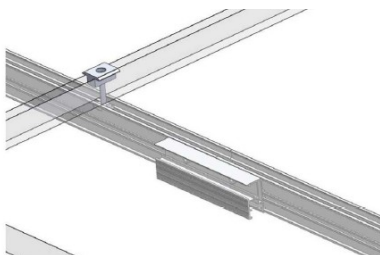


Klip Lok Interface

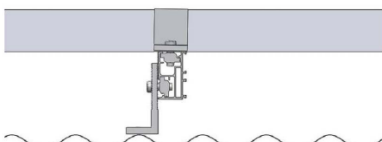


Fixed Tilt Kit

\*All interface kits include necessary bolts, z modules, screws & washers



Using splice you don't need to cut the rails



Cross-section of the system showing how the Z module connection works for the clamps and the interface.



Clenergy PostMount, SolarMatrix & SolarTerrace Racking Solutions also available

Contact us for information on the full Clenergy product line.

Go to [www.clenergy.com.au/mounting-system.php?id=42](http://www.clenergy.com.au/mounting-system.php?id=42)

to use the Clenergy SolarRoof Calculator

Go to [www.youtube.com](http://www.youtube.com) & search for 'Clenergy' to see installation videos & more.

Supplied By



Proudly Supplied By:



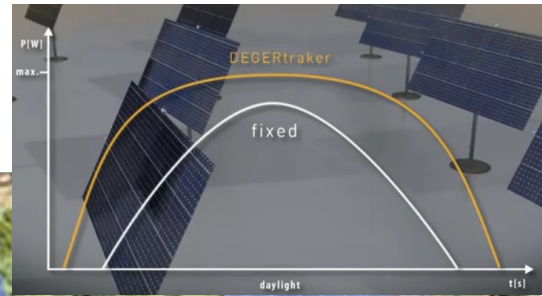
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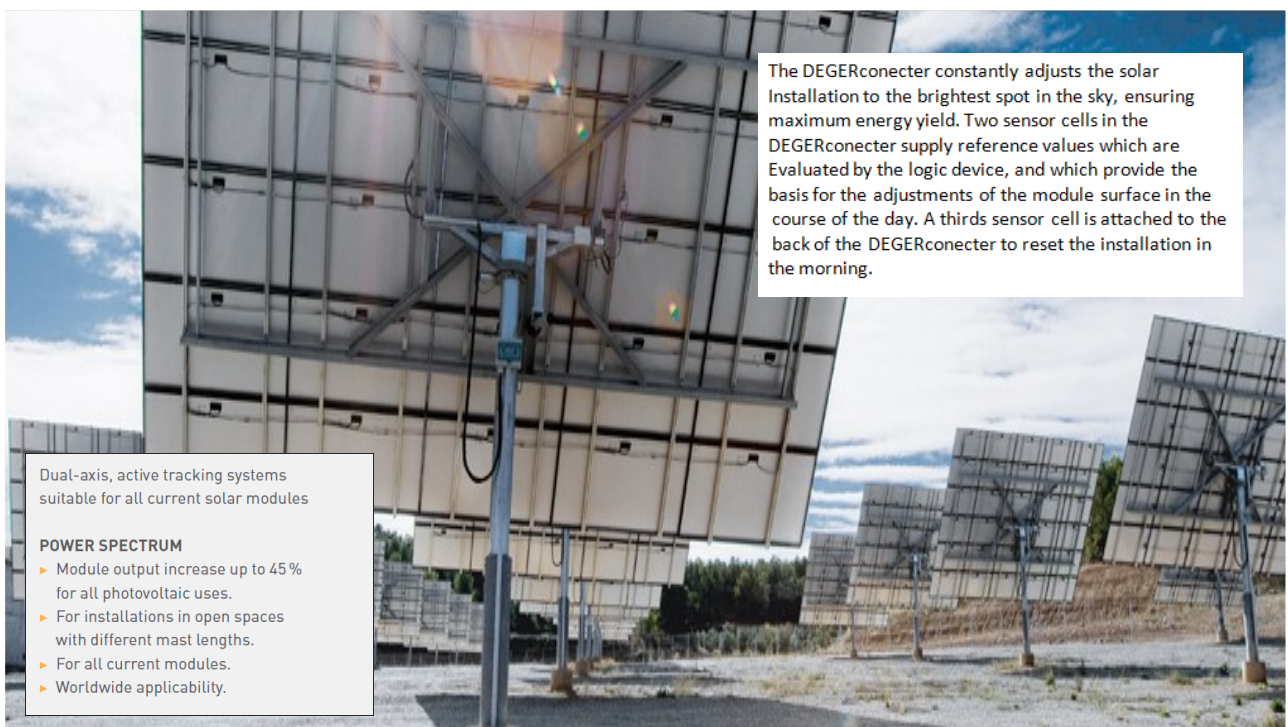
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With more than 40,000 systems installed worldwide, DEGERReenergis is the global market leader for Solar Tracking Systems.



The DEGERconector constantly adjusts the solar installation to the brightest spot in the sky, ensuring maximum energy yield. Two sensor cells in the DEGERconector supply reference values which are evaluated by the logic device, and which provide the basis for the adjustments of the module surface in the course of the day. A third sensor cell is attached to the back of the DEGERconector to reset the installation in the morning.

Dual-axis, active tracking systems suitable for all current solar modules

#### POWER SPECTRUM

- ▶ Module output increase up to 45 % for all photovoltaic uses.
- ▶ For installations in open spaces with different mast lengths.
- ▶ For all current modules.
- ▶ Worldwide applicability.



Systems are produced environmentally friendly in an ISO 9001 certified company.  
Checked statics are certified by TÜV. Certified in North America by directives of the UL/CSA.

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## Cabling and Electrical Equipment

### Genuine Multi- Contact



#### CABLING PRODUCTS

MC3&4 Solar Lead 4mm	2m, 5m, 8m, 12m, 15m
Branch Plugs & Sockets	MC4 & MC3
Couplers	MC4 & MC3

#### Cable

Single Core SDI Cable	4mm / 6mm, 100m rolls
Powerflex 2&3 Core Cable	4mm / 6mm, 100m rolls
Inverter Connector Lead	1m

#### EARTHING PRODUCTS

WEAB Washer	Pack of 20
Earth Lug 15.8	Includes WEAB Washer

#### CIRCUIT BREAKERS

GE 500V Circuit Breaker	10A, 16A, 20A, 25A, 32A
ABB 800V Circuit Breaker	10A, 16A, 20A, 25A, 32A
GE 880V Circuit Breaker	10A, 16A, 20A, 25A

#### CIRCUIT BREAKERS

#### NONE POLARISED

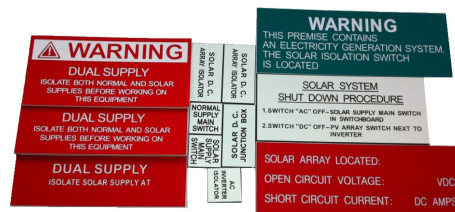
Noark 500V Circuit Breaker	10A, 16A, 20A, 25A, 32A
Noark 1000V Circuit Breaker	10A, 16A, 20A, 25A, 32A

#### FUSES & ENCLOSURES

Fuse Holder	1000V / 20A
Fuses	1000V / 10A / 8A
Pulset Enclosure IP66	4 Pole
Henzell Enclosures	4 Pole, 6 Pole, 9 Pole

#### SIGNAGE & MANUALS

SolaGrid Warning Label Set	Engraved or Vinyl
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Grid connect solar and LED lighting specialists

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