



5W

3.35Ah
Lilon battery

1.5A
Solar Controller

IP65
Enclosure

5 Watt Pole Mountable Solar Panel Kit with pole mounting fixture and IP65 rated enclosure

FEATURES

Enepower's Small Area Pole Mountable Solar Kits have been designed to provide an all-in-one solution for remotely powering a multitude of low power PV applications.

This in-house designed range comes pre-assembled and utilises quality components from renowned manufacturers: Enepower, Symmetry.

SPECIFICATIONS

Solar Panel Specification	
Rated Power - Pmax (watts)	5W
Max. Power Voltage VMP (V)	18.31V
Max. Power Current IMP (A)	0.26A
Open Circuit Voltage Voc (V)	22.43V
Short Circuit Current Isc (A)	0.3A
Max. System Voltage (V)	1000V
Max Series Fuse Rating (A)	10A
Voc Temp. Coefficients (V/°C)	0.290%
Isc Temp. Coefficients (A/°C)	+0.48%
Temperature Range	-40°C to +85°C
Cell Technology	Monocrystalline
Number of cells	36
Junction Box	Yes, IP64 Rated
Pre-programmed Battery Charger Specification	
Model	CH-TSB002PCB
Power	50W
Output	1.5A max.
Cut-off Voltage	16.8V
Cut-off Current	50mA
Battery Specification	
Model	ARB-15920530
Voltage	14.8V
Capacity	3.35Ah
Watt Hour	49.58Wh
Chemistry	Lilon
Size	4S1P
Termination	CE-HEXT



DIMENSIONS



Dimensions	250mm (W) x 300mm (H) x 95mm (D)
Weight	2.25kgs

All specifications are correct at time of creation. All specifications and operation conditions contained in this datasheet are subject to change or improvement without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.



POLE MOUNT SPECIFICATIONS



Brand	Symmetry
Mfr. Part No.	SY-PM-5-10W
Installation	Pole (50mm Ø max.) or wall mountable
Tilt	Fully adjustable panel angle to suit most locations
Module size	5 & 10 Watts
Modules up to	235mm wide x 25mm
Standards	Australian / New Zealand Standard on Wind Actions (AS.NZS 1170.2:2011)
Benefits	Designed to reduce assembly costs. Fully waterproof/weatherproof. Practical dimensions with inner mounting centres which are compatible with other housings on the market.

IP67 ENCLOSURE SPECIFICATIONS



Brand	Element 14
Mfr. Part No.	2845558
Operating temperature	-40° → +60°C
Protection rating	IP67
Body Material	Polycarbonate
External Dimensions	110 x 80 x 70mm
Benefits	Designed to reduce assembly costs. Fully waterproof/weatherproof. Non-toxic and halogen-free. Practical dimensions with inner mounting centres which are compatible with other housings on the market.

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