

Pole Mountable Solar Panel Kit



3.35Ah Lilon battery



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

Rated Power - Pmax (watts) Max. Power Voltage VMP (V) Max. Power Current IMP (A) Open Circuit Voltage Voc (V) Short Circuit Current Isc (A) Max. System Voltage (V) Max Series Fuse Rating (A) Voc Temp. Coefficients (V/°C) Isc Temp. Coefficients (A°C) Temperature Range Cell Technology Number of cells Junction Box Pre-programmed Battery Charger Specification Model CH-TSB002PCB Power Output 1.5A max. Cut-off Current 50mA Battery Specification Model ARB-15920530 Voltage 14.8V Capacity Natt Hour Chemistry Lilon Size 431P Termination CE-HEXT	Solar Panel Specification		
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 451P	Rated Power - Pmax (watts)	5W	
Open Circuit Voltage Voc (V) Short Circuit Current Isc (A) 0.3A Max. System Voltage (V) 1000V Max Series Fuse Rating (A) 10A Voc Temp. Coefficients (V/°C) Isc Temp. Coefficients (A/°C) Temperature Range -40°C to +85°C Cell Technology Monocrystalline Number of cells 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 Chemistry Lilon Size 451P	Max. Power Voltage VMP (V)	18.31V	
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 451P	Max. Power Current IMP (A)	0.26A	
Max. System Voltage (V) Max Series Fuse Rating (A) Voc Temp. Coefficients (V/°C) Isc Temp. Coefficients (A/°C) Temperature Range -40°C to +85°C Cell Technology Monocrystalline Number of cells 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	Open Circuit Voltage Voc (V)	22.43V	
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 451P	Short Circuit Current Isc (A)	0.3A	
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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 451P	Voc Temp. Coefficients (V/°C)	0.290%	
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 451P	Isc Temp. Coefficients (A/°C)	+0.48%	
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	Temperature Range	-40°C to +85°C	
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 451P	Cell Technology	Monocrystalline	
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	Number of cells	36	
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	Junction Box	Yes, IP64 Rated	
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	Pre-programmed Battery Charger Specification		
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 451P	Pre-programmed Battery Charger S	Specification	
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 451P	, , ,	·	
Cut-off Current 50mA Battery Specification Model ARB-15920530 Voltage 14.8V Capacity 3.35Ah Watt Hour 49.58Wh Chemistry Lilon Size 451P	Model	CH-TSB002PCB	
Battery Specification Model ARB-15920530 Voltage 14.8V Capacity 3.35Ah Watt Hour 49.58Wh Chemistry Lilon Size 4S1P	Model Power	CH-TSB002PCB 50W	
Model ARB-15920530 Voltage 14.8V Capacity 3.35Ah Watt Hour 49.58Wh Chemistry Lilon Size 4S1P	Model Power Output	CH-TSB002PCB 50W 1.5A max.	
Voltage 14.8V Capacity 3.35Ah Watt Hour 49.58Wh Chemistry Lilon Size 4S1P	Model Power Output Cut-off Voltage	CH-TSB002PCB 50W 1.5A max. 16.8V	
Capacity 3.35Ah Watt Hour 49.58Wh Chemistry Lilon Size 4S1P	Model Power Output Cut-off Voltage Cut-off Current	CH-TSB002PCB 50W 1.5A max. 16.8V	
Watt Hour 49.58Wh Chemistry Lilon Size 4S1P	Model Power Output Cut-off Voltage Cut-off Current Battery Specification	CH-TSB002PCB 50W 1.5A max. 16.8V 50mA	
Chemistry Lilon Size 4S1P	Model Power Output Cut-off Voltage Cut-off Current Battery Specification Model	CH-TSB002PCB 50W 1.5A max. 16.8V 50mA	
Size 4S1P	Model Power Output Cut-off Voltage Cut-off Current Battery Specification Model Voltage	CH-TSB002PCB 50W 1.5A max. 16.8V 50mA ARB-15920530 14.8V	
	Model Power Output Cut-off Voltage Cut-off Current Battery Specification Model Voltage Capacity	CH-TSB002PCB 50W 1.5A max. 16.8V 50mA ARB-15920530 14.8V 3.35Ah	
Termination CE-HEXT	Model Power Output Cut-off Voltage Cut-off Current Battery Specification Model Voltage Capacity Watt Hour	CH-TSB002PCB 50W 1.5A max. 16.8V 50mA ARB-15920530 14.8V 3.35Ah 49.58Wh	
	Model Power Output Cut-off Voltage Cut-off Current Battery Specification Model Voltage Capacity Watt Hour Chemistry	CH-TSB002PCB 50W 1.5A max. 16.8V 50mA ARB-15920530 14.8V 3.35Ah 49.58Wh Lilon	



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.



SMK-ENE5W Pole Mountable Solar Panel Kit

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° → $+60^{\circ}$ 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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