



10W

3.8Ah  
LFP battery

5A  
Solar Controller

IP65  
Enclosure

## 10 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: Victron Energy, Drypower, Symmetry.

### SPECIFICATIONS

Solar Panel Specification	
Rated Power - Pmax (watts)	10W
Max. Power Voltage VMP (V)	18.47V
Max. Power Current IMP (A)	0.55A
Open Circuit Voltage Voc (V)	22.63V
Short Circuit Current Isc (A)	0.58A
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
Solar Controller Specification	
Model	SCC010005050
Type	PWM
Voltage	12/24V
Output	5A
Max Solar Voltage	28V
Self Consumption	< 10mA
Load output	Manual control + low voltage disconnect +timer
Protection	Battery reverse polarity (fuse) Output short circuit Over temperature
Grounding	Common positive
Battery Specification	
Model	12LFP3.8
Voltage	12.8V
Capacity	3.8Ah
Watt Hour	48.64Wh
Chemistry	LiFePO4
Internal Resistance (at 1KHz)	≤120mΩ
Charge @25°C	Standard Charge Current 0.76A (0.2C) Maximum Charge Current 3.8A (1C) Max Charge Voltage 14.6V
Discharge @25°C	Standard Discharge Current 0.76A Max. Continuous Discharge 5A Cut-off Voltage 10V
Cycle Life (±0.5C, 25°C)	100% DoD ≥2000 cycles 80% DoD ≥3000 cycles 50% DoD ≥4000 cycles
Termination	F1 (Faston 187)



### DIMENSIONS



Dimensions	335mm (W) x 300mm (H) x 135mm (D)
Weight	3.8kgs

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.

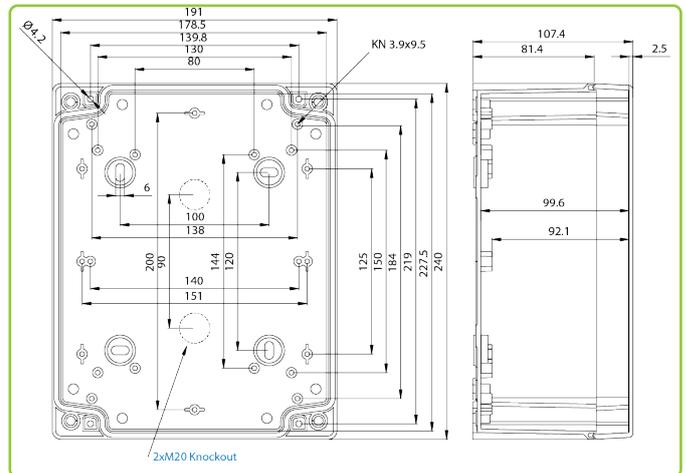


## POLE MOUNT SPECIFICATIONS



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.

## IP65 ENCLOSURE SPECIFICATIONS



Brand	Fibox
Mfr. Part No.	TA 241911 enclosure
Operating temperature	-40° → +60°C
Protection rating	IP65 (EN 60529), IK 07 Shockproof (EN 62262)
Body Material	ABS
External Dimensions	240 x 191 x 107.4mm
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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