



# ENEPOWER



## POLE MOUNTABLE SOLAR KITS

Pre-assembled and custom solar panel kits

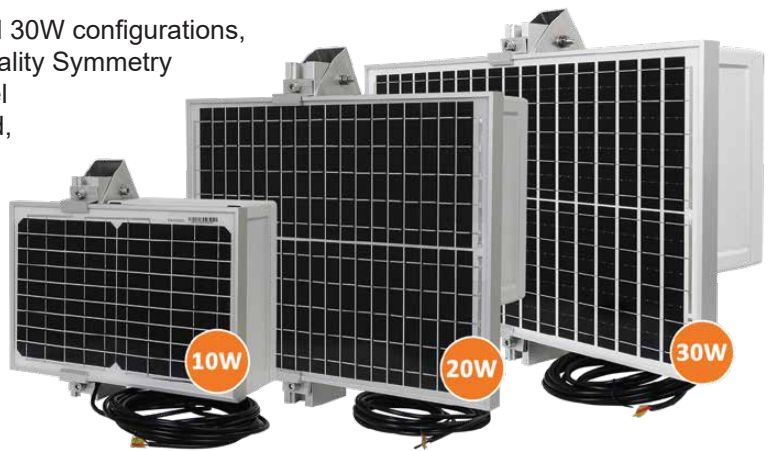


### Convenient, pole mounted solar power solution

The Enepower SMK-ENExx range of small area pole mountable solar kits is designed to provide an all-in-one solution for remotely powering a multitude of low power PV applications.

Available in 10W, 20W and 30W configurations, each kit features a high quality Symmetry monocrystalline solar panel mounted onto a galvanised, corrosion resistant tilt adjustable mounting.

Components are pre-assembled in an IP65 rated weatherproof enclosure protecting a Victron Energy solar controller and Drypower lithium battery.



### Power specifications



- High efficiency Symmetry solar panels featuring a 5 busbar construction to deliver greater solar yield.
- Victron Energy solar controller providing efficient battery charging.
- Drypower 12.8V lithium battery to provide extended service life.
- Long UV rated output cables to adapt to any application.

### Mounting specifications



- Weatherproof resistant IP65 rated enclosure to house components.
- Tilt adjustable galvanised mounting frame to accurately position the panel for optimal sun exposure.
- Pole mountable and suitable for poles up to 50mm OD.
- Also wall mountable for use on buildings or other structures.



## Enepower Solar Kit range specifications

	SMK-ENE10W	SMK-ENE20W	SMK-ENE30W
<b>Solar Panel Specification</b>			
Rated Power - Pmax (watts)	10W	20W	30W
Max. Power Voltage VMP (V)	18.47V	18.46V	18.67V
Max. Power Current IMP (A)	0.55A	1.09A	1.61A
Open Circuit Voltage Voc (V)	22.63V	22.61V	22.87V
Short Circuit Current Isc (A)	0.58A	1.15A	1.7A
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		
<b>Solar Controller Specification</b>			
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		
<b>Battery Specification</b>			
Model	12LFP3.8	12LFP11.4	12LFP11.4
Voltage	12.8V	12.8V	12.8V
Capacity	3.8Ah	11.4Ah	11.4Ah
Watt Hour	48.64Wh	145.92Wh	145.92Wh
Chemistry	LiFePO4		
Cycle Life (±0.5C, 25°C)	100% DoD ≥2000 cycles 80% DoD ≥3000 cycles 50% DoD ≥4000 cycles		



Enepower solar kits are designed as a standard product offering. Please note: These products can be easily modified and tailored to meet your specific usage, size, performance and budget requirements. Changes to solar panel size, battery type (voltage / capacity / chemistry), solar controller type (eg. adding Bluetooth functionality and/or using MPPT) all possible. Please contact your friendly sales engineer to explore options available for you. Contact us.