

## Merlin Solar Flexible Panels



### Semi-Flexible Solar Panels

Semi-flexible solar panels with high-efficiency Sunpower mono crystalline cells can be curved to a maximum 30 degree and are widely used in RV, Marine, Caravan and applied to all irregular surfaces.

#### Easy Installation

- Semi-Flexible solar panels can be affixed by adhesive or grommets (with which you can easily attach or detach the panels.)
- Holes on panels are pre-drilled for fast mounting and securing, perfect for non-permanent installations.

#### Reliability

- The Junction Box is sealed and waterproof

#### Flexible and Widely Compatibility

- Our flexible solar panels can be curved to a maximum 30 degree arc.
- Versatile installation options; applications for RV, Boat, Cabin, Tent, Yachts or any irregular surfaces.

#### High Efficiency

- The efficiency of semi flexible solar panel is up to 25%

Model Number	SLPA050-18	SLPA100-18	SLPA150-18
Solar Cell	Sunpower Solar Cell		
Laminated Way	ETFE Lamination		
Number of cells and connection	32 cell series	64 cell series	93 cell series
Test condition	1000W/M <sup>2</sup> Am1.5 T=25°C R=5.5Ω		
Operating Temperature	-10°C TO 80°C		
Error	-10%		
Maximum Power(Pm)	50W	100W	150W
Voltage at max power(Vm)	17.6V	17.6V	26.0V
Curent at max power(I <sub>m</sub> )	2.84A	5.68A	5.78A
Short Circuit Current(I <sub>sc</sub> )	3.12A	6.25A	9.10A
Open circuit voltage (Voc)	20.8V	20.8V	21.1V
Dimension of module	555*535*2.5MM	1065*540*2.5MM	1080*780*2.5MM
Weight	1.2KG%	1.95KG	2.68KG
Junction Box/Connector	OP65/MC4 0.5M	IP65/MC4 0.8M	1P65/MC4 0.8M