



Electrical Characteristics

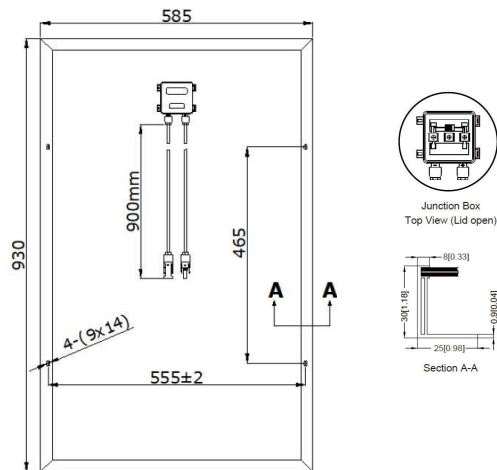
SM100-12

Maximum power at STC (Pmax)	100W
Optimum operating voltage (Vmp)	17.1V
Optimum operating current (Imp)	5.85A
Open-circuit voltage (Voc)	20.4V
Short-circuit current (Isc)	6.21A
Short-circuit current temperature coefficient	(0.025) %/C
Open-circuit voltage temperature coefficient	- (0.25) V/C
Peak power temperature coefficient	- (0.3) %/C
NOCT (Air 20°C; Sun 0.8kW/m wind 1m/s)	47±2C
Operating temperature	-40C to 85C
Maximum system voltage	1000V DC
Power tolerance	±3%
STC: Irradiance 1000W/m ² , Module temperature 25C, AM=1.5	

Features

- Nominal 12V DC for standard output.
- High efficiency monocrystalline 9BB PERC cell.
- 9BB cell higher performance with leaf and dropping.
- New technology to improve the overall efficiency and performance compared to 5BB cells panel.
- Outstanding low-light performance.
- High transmission tempered glass.
- Rugged design to withstands high wind pressure and snow load, easy installation.
- 10 year module output warranty.

Dimension



Specification

SM100-12

Cell	Mono-crystalline silicon solar cells
No. of cell and connection	33 (3×11)
Dimension of module	930mm×585mm×30mm
Weight	5.5kg

Due to the improvement of cell every batch, specifications may change without notice at anytime.