



Electrical Characteristics

SM50m-12

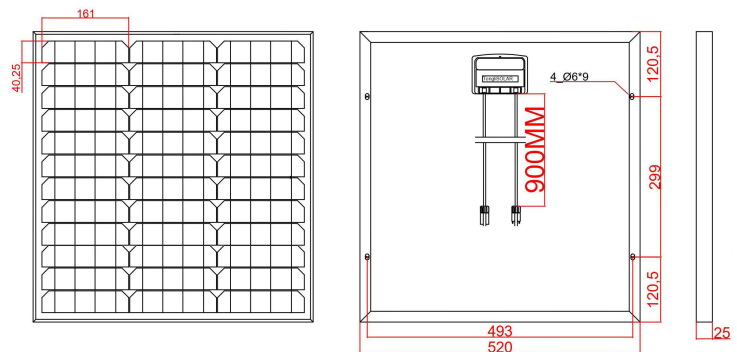
Maximum power at STC (Pmax)	50W
Optimum operating voltage (Vmp)	18.7V
Optimum operating current (Imp)	2.7A
Open-circuit voltage (Voc)	22.3V
Short-circuit current (Isc)	2.8A
Short-circuit current temperature coefficient	(0.065±0.015) %/C
Open-circuit voltage temperature coefficient	- (80±10) mV/C
Peak power temperature coefficient	- (0.5±0.05) %/C
NOCT (Air 20□; 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/m², Module temperature 25C, AM=1.5

Dimension

Features

- Nominal 12V DC for standard output.
- High efficiency.
- Outstanding low-light performance.
- High transmission tempered glass.
- Rugged design to withstands high wind pressure and snow load, easy installation.
- Aesthetic appearance.
- Design to meet unique demand of customer.
- 10 year module output warranty.



Specification

SM50m-12

Cell	Mono-crystalline silicon solar cells
No. of cell and connection	36 (4×9)
Dimension of module	540mm×520mm×25mm
Weight	3.1kg

Specifications are subject to change without notice at any time.