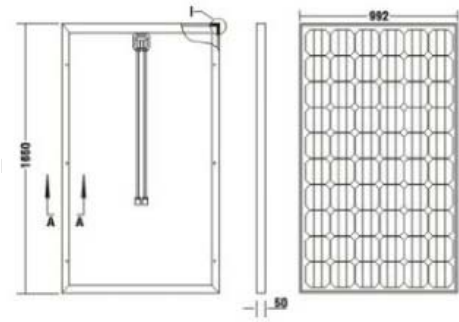




PV Technical Specification

- High efficiency mono-crystalline silicon solar cell
- High transmission low-iron oxide tempered glass
- Encapsulated: EVA material; sealed with high quality rear cover
- Firm aluminium frame



Specifications

Cell	Mono-crystalline silicon solar cells, 125mm square
No. of cells and connections	72 in series
Application	DC 24V system
Maximum system voltage	1000V
Series fuse rating	10A
Maximum power	180W
Dimension	1580mm × 808mm × 35mm
Weight	16.00kg

Absolute Maximum Ratings

Parameters	Rating	Unit
Operating temperature	-40 to+90	°C
Storage temperature	-40 to+90	°C
Dielectric voltage withstood	2200 max.	DC

Electro-Optical Characteristics

Model		SF125 × 125-72-M(L)			
Parameters	Symbol	Min.	Typ.	Unit	Condition
Open circuit voltage	V _{oc}		44.8	V	Irradiance: 1000W/m ²
Maximum power voltage	V _{pm}		35.7	V	
Short circuit current	I _{sc}		5.25	A	
Maximum power current	I _{pm}		4.90	A	Module temperature: 25 °C
Maximum power	P _m	160.0	175.0	W	
Encapsulated solar cell efficiency	η _c		16.0	%	
Module efficiency	η _m		14.0	%	

Technical Parameter

SF125×125-72-M(L)	160W	165W	170W	175W	180W
Current at Pmax (Imp)	4.55 A	4.70 A	4.80 A	4.90 A	5.00A
Voltage at Pmax (Vmp)	35.1 V	35.2 V	35.4 V	35.70V	36.0 V
Short-Circuit Current (Isc)	5.00 A	5.05 A	5.15 A	5.25A	5.35 A
Open-Circuit Voltage (Voc)	44.1 V	44.2 V	44.3 V	44.5 V	44.8 V
Nominal Operating Cell Temp (NOCT)	50 °C				