

Mono Crystalline PV module & Polycrystalline solar module

Model no. SF156X156-60-M & SF156X156-P

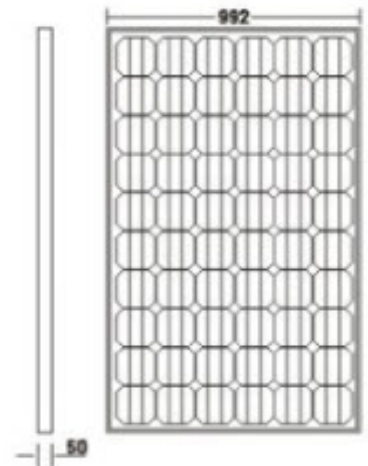
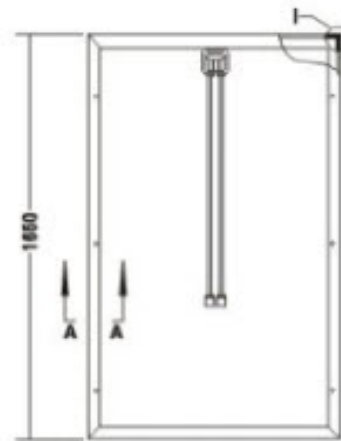
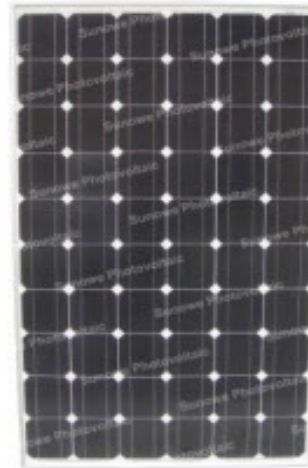


FEATURES

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

Specifications

Cell	Mono-crystalline silicon solar cells, 156mm square
No. of cells and connections	60 in series
Application	DC 24V system
Maximum system voltage	1000V
Series fuse rating	10A
Dimension	1650mm X 992mm X 50mm
Net Weight	18.5kg

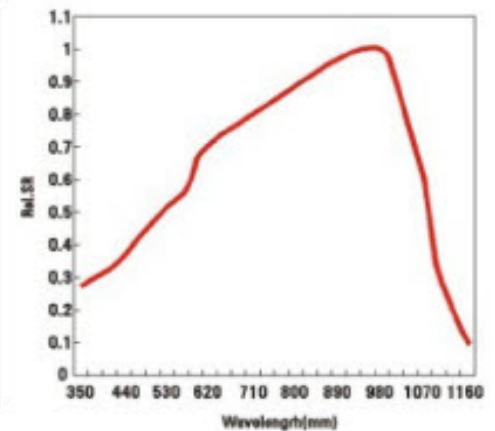


Absolute Maximum Ratings

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

Electro-Optical Characteristics

Model	SF156X156-60				
Parameters	Symbol	Min.	Typical	Unit	Condition
Open circuit voltage	Voc		35.4	V	Irradiance: 1000W/m ² Module temperature: 25° C Spectral Distribution AM 1.5
Maximum power voltage	Vpm		29.5	V	
Short circuit current	Isc		8.36	A	
Maximum power current	Ipm		7.56	A	
Maximum power	Pm	210	220	W	
Cell efficiency	ηm		16.0	%	
Module efficiency	ηm		14.0	%	



Technical Parameter (with tolerance +/-3%)

SF156X156-60	210W	215W	220W	225W	230W	235W	240W
Imp	7.24A	7.41A	7.46A	7.63A	7.67A	7.83A	7.87A
Vmp	29.0V	29.0V	29.5V	29.5V	30.0V	30.0V	30.5V
Isc	8.11A	8.30A	8.36A	8.55A	8.59A	8.77A	8.82A
Voc	34.8V	34.8V	35.4V	35.4V	36.0V	36.0V	36.6V
FF	72.1	72.3	72.5	72.7	73	73.5	73.7
TNOCT	50°C						

