

TYPE DESIGNATION

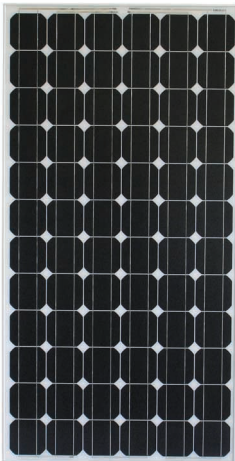
SLSM-165D, SLSM-170D, SLSM-175D,
SLSM-180D, SLSM-185D, SLSM-190D



MODULE CHARACTERISTICS

Electrical characteristics (typical value at STC)

Maximum power	(Pmax)	165W	170W	175W	180W	185W	190W
Open circuit voltage	(Voc)	43.6V	44.2V	44.2V	44.2V	44.6V	44.9V
Short circuit current	(Isc)	5.10A	5.15A	5.25A	5.36A	5.60A	5.72A
Maximum power voltage	(Vmp)	35.4V	35.6V	35.8V	36.2V	37.0V	37.2V
Maximum power current	(Imp)	4.66A	4.78A	4.89A	4.97A	5.00A	5.11A
Tolerance		± 3%					
Fuse Rating		10A					
Maximum system voltage		DC1000V					



General characteristics

Dimension	1582 x 809 x 50mm/1580 x 808 x 35mm
Cell type	125 x 125mm; 72 Mono-crystalline cells connected in series
Weight	16.5 kg
Classification	Safety class II; Application class A; Fire resistance class C; IP65
Mechanical load	5400Pa
Layer structure	Glass- EVA- Cells- EVA- substrate
Diode	3 Schottky diodes, each bypasses 24 cells; 10A/50V

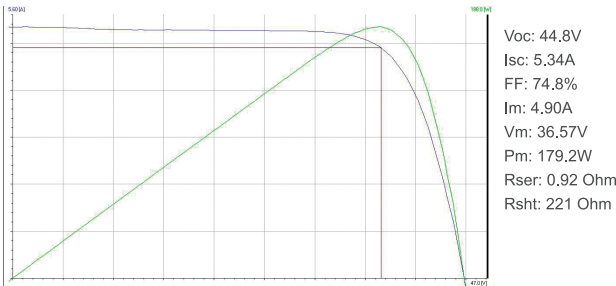
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Thermal characteristics

Temperature coefficient of Isc and Imp (α)	0.028—0.069%/K
Temperature coefficient of Voc and Vmp (β)	-0.34— -0.39%/K
Temperature coefficient of Pmpp (γ)	-0.46— -0.53%/K
NOCT	47 ± 3°C
Operating temperature	-40 to 85°C



Product Features

- Designed according to and complying with all requirements in IEC 61730, IEC 61215 ed2 (certificate per TÜV Rheinland), UL, KIER and CE;
- White tempered glass, EVA, weather proof substrate film and anodized aluminium frame provide adequate protection against various environmental conditions;
- The junction box and connectors with IP65 protection degree provide convenient and reliable electric connection; The incorporated schottky bypass diodes protect the module from hot spot damages;
- Cells are 100% visually inspected and sorted according to electric characters against mismatching;
- Visual inspection, performance measurement and dielectric strength tests on every products;
- All backed by a 25 year limited power warranty (≥80%) and 5 year workmanship warranty;
- Customization on request



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