

Polycrystalline Solar Modules

SFP-XXX-36-6 Series 150W/145W/140W/135W/130W

Typical Electrical Characteristics

Model	SFP-150-36	SFP-145-36	SFP-140-36	SFP-135-36	SFP-130-36
Max-power(Pm)	150W	145W	140W	135W	130W
Power Tolerance	+/-3%				
Max-power Voltage(Vmp)	(V) 18.1	18	17.8	17.5	17.3
Max-power Current(Imp)	(A) 8.29	8.01	7.87	7.72	7.52
Open-circuit Voltage(Voc)	(V) 21.8	21.6	21.5	21.2	21.1
Short-circuit Current(Isc)	(A) 9.12	8.87	8.66	8.49	8.27
No. of Cells	36Pcs. Polycrystalline solar cells (4x9Pcs.)				
Cell Size	156x156mm				
Cell Efficiency(η_c)	(%) 17.12	16.55	16.0	15.3	15
Module Efficiency(η_m)	(%) 15	14.2	13.8	13.4	12.7
Pm Temperature Coefficient	-0.45%/°C				
Voc Temperature Coefficient	-0.35%/°C				
Isc Temperature Coefficient	0.05%/°C				
NOCT	48°C +/-2°C				
Maximum System Voltage	1000VDC(IEC) 600VDC(UL)				



Quality and Safety

Product warranty: Free from defects in material and workmanship for 5 years.

Power warranty:

Maintain more than 90% of minimum rated power for 10 years.

Maintain more than 80% of minimum rated power for 25 years.

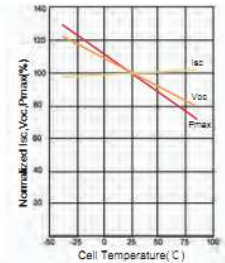
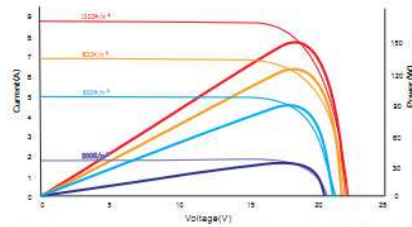
According to IEC 61215.

According to IEC 61730.

TUV certified.



I-V Curves



I-V Curves at different Irradiances (AM1.5 25°C)

Products Features

High conversion efficiency photovoltaic modules made of polycrystalline solar cells.

Integrated bypass diodes in the junction box reduce the power loss effect in a string caused by events such as shading.

High Transmission, Low Iron, Tempered Glass 3.2mm.

Water-protected connector system, easy for installation.

Mechanical Characteristics

Junction Box & Wires Length	TUV certified IP65 L=900mm
Weight	11.2 kg
Dimension	1476x671x35mm

Applications

On-grid PV System.

Off-grid PV System.

Residential Roof Top System.

Commercial Roof Top System.

Ground Installations.

Absolute Rating

Dielectric Insulation Voltage	(VDC)	3000max
Operating Temperature	(°C)	-40~+85
Storage Temperature	(°C)	-40~+85

STC Conditions(1000W/m², 1.5AM and 25°C Cell Temperature)

