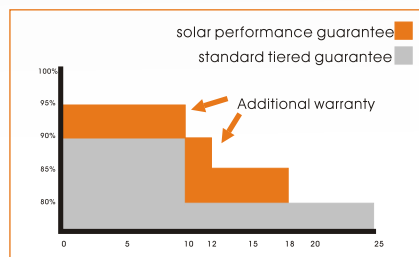


Our Service Guarantee
Replacement for free
48 hours in Germany
5 working days in other european countries

SH5M36/80-110

Monocrystalline PV modules 36 cells

- High module conversion efficiency up to 16.92%
- 0 to +3% positive tolerance for mainstream products
- Performance Warranty
10 yrs-95% 12yrs-90%
18 yrs-85% 25yrs-80%
- Entire module certified to withstand high wind loads and snow loads (5400Pa)
- Professional packing solution special for distributors
- European brand junction box plus MC4 connector
- 100% Electro Luminescence test



SH5M36/80-110

Monocrystalline PV modules 36 cells



ELECTRICAL PARAMETERS

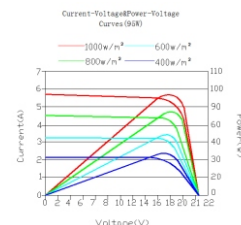
Model	SH80	SH85	SH90	SH95	SH100	SH105	SH110
Maximum power(Pmax)	80W	85W	90W	95W	100W	105W	110W
Open circuit voltage(Voc)	21.8V	21.9V	22.1V	22.3V	22.5V	22.75V	23.25V
Maximum power point voltage(Vmp)	17.6V	17.7V	17.7V	17.8V	18.1V	18.2V	18.6V
Short circuit current(Isc)	4.96A	5.25A	5.51A	5.6A	5.68A	5.94A	6.04A
Maximum power point current(Imp)	4.55A	4.81A	5.09A	5.34A	5.53A	5.77A	5.92A
Module Efficiency	12.12%	12.88%	13.63%	14.39%	15.15%	16.16%	16.92%
Max system Voltage(VDC)	1000V (IEC) /600V (UL)						
Module insulation Resistance(Ω)	≥ 100MΩ						
Fuse Ratings In Series(A)	10A						
Power Discrepancy	0~3%						
Operating Temperature	-40℃ ~ +85℃						
Temperature Coefficient of Pmax	-0.48%/℃						
Temperature Coefficient of Voc	-0.34%/℃						
Temperature Coefficient of Isc	+0.05%/℃						
NOCT	25±2℃						
Test Condition	*STC:1000W/m ² , 25℃, AM1.5						

MECHANICAL CHARACTERISTICS

Cell Type	monocrystalline 125x125mm (5 inches)
Cell arrangement	36 (4×9) in series connection
Measurement(L×W×H)	1196*552*40mm
Weight(Kg)	8kgs (18 lbs)
Front glass	3.2mm tempered glass
Frame	anodized aluminum alloy
Mechanical load	5400pa
Classification	safety class II ;Application class A ;IP65

PACKING SOLUTION

Container	40' HC
Pieces per pallet	29
Pallets per container	54
Pieces per container:	1566
Container	20' GP
pieces per pallet	26
Pallets per container	26
Pieces per container	676



Temperature Dependence of Isc, Voc, Pmax

