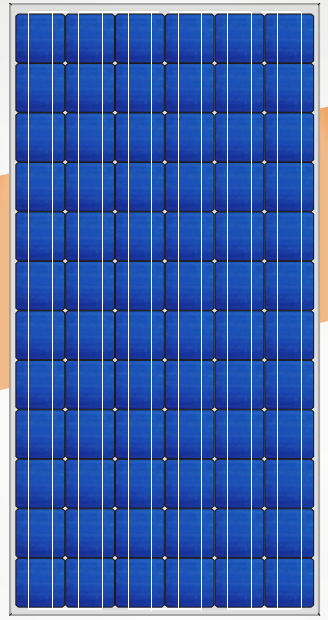
Sunhappy
Happy with the sun



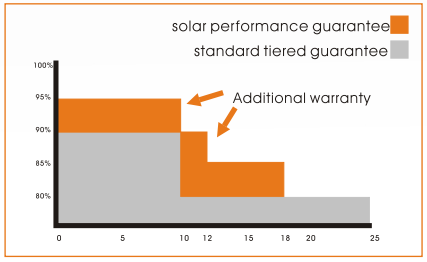
25 YEAR LINEAR PERFORMANCE WARRANTY AND A PRODUCT WORKMANSHIP WARRANTY OF 10 YEARS!

JUNCTION BOX
HUBER + SUHNER

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

SH6P72/290-315
Polycrystalline PV modules 72 cells

- High module conversion efficiency up to 16.40%
- 0 to +3% possitive 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
- EU European brand junction box plus MC4 connector
- 100% Electro Luminescence test



TÜVRheinland CERTIFIED

sales@sunhappy.de www.sunhappy.de

SH6P72/290-315
Polycrystalline PV modules 72 cells

ELECTRICAL PARAMETERS

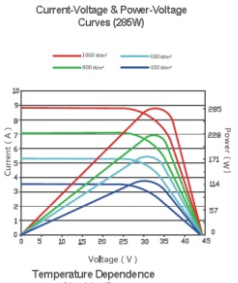
Model	SH290	SH295	SH300	SH305	SH310	SH315
Maximum power(Pmax)	290W	295W	300W	305W	310W	315W
Open circuit voltage(Voc)	43.72V	43.88V	43.90V	43.91V	44.21V	44.98V
Maximum power point voltage(Vmp)	35.89V	36.04V	36.59V	36.59V	36.6V	36.68V
Short circuit current(Isc)	8.64A	8.68A	8.73A	8.79A	8.82A	8.88A
Maximum power point current(Imp)	8.11A	8.22A	8.33A	8.41A	8.50A	8.62A
Module Efficiency	14.95%	15.20%	15.46%	15.72%	16.20%	16.40%
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 Coeffcient of Pmax	-0.40%/℃					
Temperature Coefficient of Voc	-119MV/℃					
Temperature Coefficient of Isc	+3.4MA/℃					
NOCT	25±2℃					
Test Condition	*STC:1000W/m²,25℃ .AM1.5					

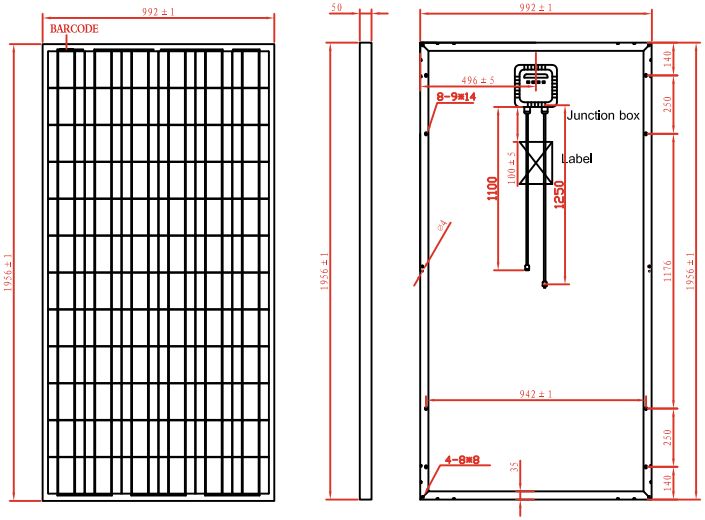
MECHANICAL CHARACTERISTICS

Cell Type	polycrystalline 156x156mm(6 inches)
Cell arrangement	72（6×12）in series connection
Measurement(L×W×H)	1956*992*50mm
Weight(Kg)	27kgs (59lbs)
Front glass	4.0mm tempered glass
Frame	anodized aluminum alloy
Mechanical load	5400pa
Classification	safty class II ;Application class A ;IP65

PACKING SOLUTION

Container	40' HC
Pieces per pallet	21
Pallets per container	22
Pieces per container:	462
Container	20' GP
pieces per pallet	18
Pallets per container	10
Pieces per container	180





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