

Strengths

- Tolerance 0~+5
- High transmission, low Iron Tempered Glass
- Plug&Play Connectors
- Bypass Diodes Protection
- Salt Mist And Ammonia Resistance Test

Warranty

- Manufacturing 12 Years
- Power Production 90%:12years 80%:25years

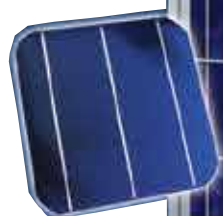
Insurance

- Insured By CHUBB

Certificates



Polycrystalline photovoltaic Module



Three-Busbar Cell



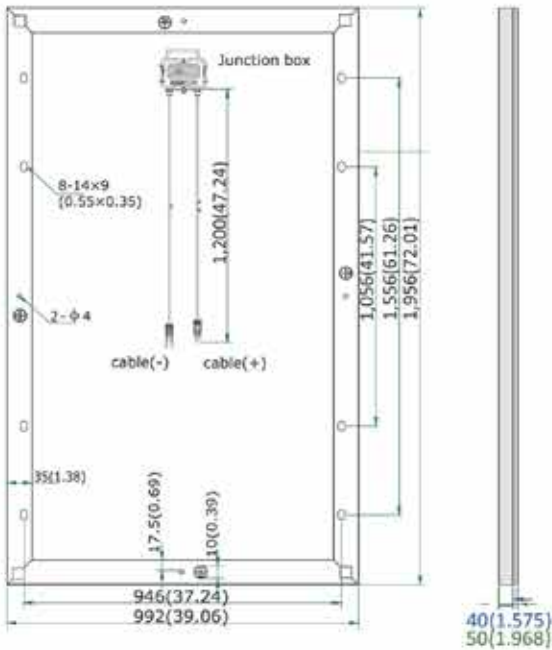
STP6-XXX/72 Series

STP6-305W, STP6-300W, STP6-295W, STP6-290W, STP6-285W

Electrical Characteristics

Module Type	Unit	STP6-305/72	STP6-300/72	STP6-295/72	STP6-290/72	STP6-285/72
Rated Power at STC (Pmp)	W	305	300	295	290	285
Power Tolerance	W	(0, +5)	(0, +5)	(0, +5)	(0, +5)	(0, +5)
Power Maximum at STC	W	310	305	298	293	288
Cell Efficiency (η_c)	%	18.1-18.3	17.7-17.9	17.4-17.7	17.1-17.4	16.8-17.1
Minimum Module Efficiency (η_m)	%	15.8-16.0	15.5-15.7	15.2-15.5	14.9-15.2	14.7-14.9
Open Circuit Voltage (Voc)	V	44.6	44.5	44.4	44.3	44.2
Short Circuit Current (Isc)	A	9.07	8.92	8.78	8.65	8.53
Maximum Power Voltage (Vmp)	V	36.0	35.9	35.9	35.8	35.7
Maximum Power Current (Imp)	A	8.46	8.35	8.22	8.10	7.99
Maximum System Voltage	V	1000 (TUV), 600 (UL)				
Maximum Series Fuse Rating	A	15				

STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5;



- All Dimensions in mm (inch)
- The above drawing is a graphical representation of the product. For engineering quality drawings please contact **SCHUTTEN**



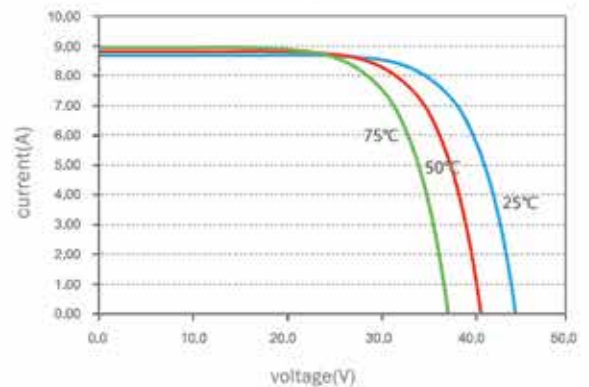
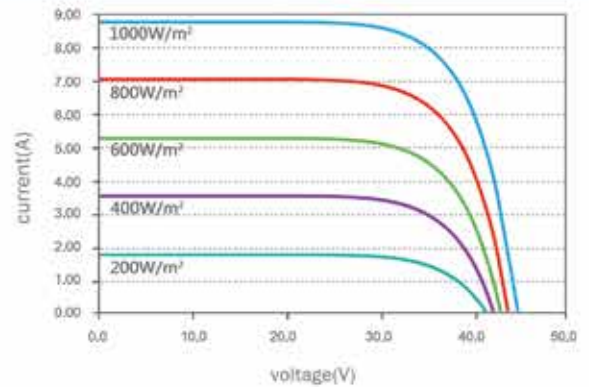
Temperature Characteristics

Pmax Temperature Coefficient	%/°C	-0.45
Voc Temperature Coefficient	%/°C	-0.32
Isc Temperature Coefficient	%/°C	+0.04
Operating Temperature	°C	-40 ~ +85
Nominal Operating Cell Temperature (NOCT)	°C	45±2

Mechanical Specifications

External Dimensions	1956 × 992 × 40 mm
Weight	24kg
Solar Cells	Polycrystalline 156 × 156mm (72pcs)
Front glass	3.2 mm tempered glass, low iron
Frame	Anodized/ Electrophoretic aluminum alloy
Junction Box	IP65 /IP67
Output Cables	4.0 mm ² , symmetrical lengths 900mm
Connector	MC4 Compatible
Maximum Snow Load	550kg/m ²
Maximum Wind Load	200km/h
Hailstone Impact Test	80km/h for 25mm ice ball

Current-Voltage & Power-Voltage Curve (STM6-250/60)



Dealer information: