



Electrical Specifications

Standard test conditions (STC) : 1000W/m², 25°C, AM1.5

Model Types	/	ASP-SST2-black
Maximum Power	P _m (W)	50
Open Circuit Voltage	V _{oc} (V)	116.00
Short Circuit Current	I _{sc} (A)	0.640
Peak Power Voltage	V _{mp} (V)	86.37
Peak Power Current	I _{mp} (A)	0.590

System Properties (at STC)

Maximum Series Fuse Rating	I _{cf} (A)	1.0
Limiting Reverse Current	I _R (A)	1.5
Maximum System Voltage	V _{sys} (V)	1000.0

Photovoltaic Tile Assembly Structure

3.2mm solar cell + 0.5mm EVA & butyl tape + 3.2mm glass (Aluminum alloy frame)

Mechanical Parameters

Construction size	1237*330mm(±3mm)
External size	1222*296mm(±3mm)
Thickness	27.5mm(±2mm)
Overlapping size	upper limb:34mm, Side edge:15mm
Weight	7.0kg
Colour	Black, cyan, red, gold
Waterproof mode	Structural waterproofing
Frame	Aluminum alloy (anodized thickness)
Junction Box	back, IP68
Leadwire	2.5mm ² , 1100mm(+)&1100mm(-)
Connectors	MC4
Bypass Diode	10A
Cell Type	Cadmium Telluride(CdTe)

Temperature Characteristics(at STC)

Temperature Coefficients of I _{sc}	T _{Kα} (%/°C)	+0.06
Temperature Coefficients of V _{oc}	T _{Kβ} (%/°C)	-0.321
Temperature Coefficients of P _m	T _{Kγ} (%/°C)	-0.214
Operating Temperature Range	(°C)	-40 to +85

Mechanical Character

Load capacity	±2400(Pa)
fire-protection rating	Class A
Hail resistance	Pass the hail test
Minimum installation slope	≥ 10°

Packaging Parameters

PV-Modules Per Pallet	(PCS)	27
Pallet Weight	(kg)	200
Pallet Dimensions	(mm)	1280x1100x500
PV-Modules Per 40' Container	(PCS)	1512

Warranty

·3 years materials and workmanship.

·25 years power output guarantee for 90% of nominal output during first 10 years and 80% over 25 years.