



## Electrical Specifications (performance at STC: 1000W/m<sup>2</sup>, 25°C, AM1.5)

Specification	ASP-ST1-9	ASP-ST1-19	ASP-ST1-28	ASP-ST1-38	ASP-ST1-47	ASP-ST1-57	ASP-ST1-66	ASP-ST1-76	ASP-ST1-85
Transparency	90%	80%	70%	60%	50%	40%	30%	20%	10%
Nominal Power(Pm)/W	9	19	28	38	47	57	66	76	85
Open Circuit Voltage(Voc)/V	122.5	122.5	122.5	122.5	122.5	122.5	122.5	122.5	122.5
Short Circuit Current (Isc)/A	0.12	0.25	0.37	0.49	0.61	0.74	0.86	0.98	1.11
Voltage at max. Power(Vm)/V	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
Current at max. Power(I <sub>m</sub> )/A	0.11	0.21	0.32	0.42	0.53	0.64	0.74	0.85	0.96

## System Properties (at STC)

Maximum Series Fuse Rating(I <sub>CF</sub> )/A	1.0	1.0	1.0	1.0	1.0	1.5	1.5	2.0	2.0
Maximum System Voltage(V <sub>sys</sub> )/V	1000								

## Mechanical Specifications

Length	1200mm
Width	600mm
Thickness	7mm
Area	0.72m <sup>2</sup>
Weight	12kg
Frame	None
Lead Cable	2.5mm <sup>2</sup> 580mm
Connectors	MC4
Bypass Diode	6A
Cell Type	Cadmium Telluride (CdTe)
Solar Glass	3.2 mm Annealed glass
Back Glass	3.2 mm Annealed glass
Encapsulation	PVB

## Temperature Characteristics(at STC)

Temperature Coefficients of I <sub>sc</sub>	α=0.060%/°C
Temperature Coefficients of V <sub>oc</sub>	β=-0.321%/°C
Temperature Coefficients of P <sub>m</sub>	γ=-0.214%/°C
Operating Temperature Range	-40°C To +85°C

## Packaging Configuration

Modules Per Pallet	54PCS
Pallet Weight	680kg
Pallet Dimensions	1260x1080x790mm
Modules Per 40' Container	1944PCS

## Warranty:

- 10 years materials and workmanship.
- 25 years power output guarantee for 90% of nominal output during first 10 years and 80% over 25 years.
- Modules are life cycle managed with a collection and recycling program, providing module owners with no cost, end-of-life take back, and recycling of the modules.