



## Electrical Specifications (performance at STC: $1000\text{W}/\text{m}^2$ , $25^\circ\text{C}$ , AM1.5)

Specification	ASP-S1- 90	ASP-S1- 95	ASP-S1- 100	ASP-S1- 105	ASP-S1- 110
Nominal Power(Pm)/W	90	95	100	105	110
Open Circuit Voltage(Voc)/V	122.0	122.5	123.5	123.5	123.5
Short Circuit Current (Isc)/A	1.06	1.09	1.13	1.20	1.25
Voltage at max. Power(Vm)/V	96.0	98.0	98.5	98.5	98.5
Current at max. Power(I <sub>m</sub> )/A	0.94	0.97	1.02	1.07	1.12
<b>System Properties (at STC)</b>					
Maximum Series Fuse Rating(I <sub>CF</sub> ) /A	2.0	2.0	2.0	2.0	2.0
Maximum System Voltage(V <sub>SYS</sub> )/V	1000	1000	1000	1000	1000

## Mechanical Specifications

Length	1200mm
Width	600mm
Thickness	6.8mm
Area	$0.72\text{m}^2$
Weight	12kg
Frame	None
Lead Cable	$2.5\text{mm}^2$ 580mm
Connectors	MC4
Bypass Diode	6A
Cell Type	Cadmium Telluride (CdTe)
Solar Glass	3.2 Annealed Glass
Back Glass	3.2 Annealed Glass
Encapsulation	Eva+ Edge Sealing

## Temperature Characteristics(at STC)

Temperature Coefficients of I <sub>sc</sub>	$\alpha=0.06\%/^\circ\text{C}$
Temperature Coefficients of Voc	$\beta=-0.321\%/^\circ\text{C}$
Temperature Coefficients of P <sub>m</sub>	$\gamma=-0.214\%/^\circ\text{C}$
Operating Temperature Range	$-40^\circ\text{C}$ To $+85^\circ\text{C}$

## 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.