



Electrical Specifications (performance at STC: 1000W/m², 25°C, AM1.5)

Specification	ASP-LAM3-T40-164	ASP-LAM3-T20-218
Nominal Power(Pm)/W	164	218
Open Circuit Voltage(Voc)/V	122.5	122.5
Short Circuit Current (Isc)/A	1.89	2.52
Voltage at max. Power(Vm)/V	98.0	98.0
Current at max. Power(I _m)/A	1.68	2.23
Transparency	40%	20%

System Properties (at STC)

Maximum Series Fuse Rating(I _{CF})/A	3.0	4.0
Maximum System Voltage(V _{SYS})/V	1000	

Mechanical Specifications

Length	1200mm
Width	1800mm
Thickness	18mm
Area	2.16m ²
Weight	87kg
Frame	None
Lead Cable	2.5mm ² 580mm
Connectors	MC4
Bypass Diode	6A
Cell Type	Cadmium Telluride (CdTe)
Composition	6 Tempered Glass +3.2 Annealed Glass +6 Tempered Glass
Encapsulation	PVB

Temperature Characteristics(at STC)

Temperature Coefficients of Isc	$\alpha=0.060\%/^{\circ}\text{C}$
Temperature Coefficients of Voc	$\beta=-0.321\%/^{\circ}\text{C}$
Temperature Coefficients of Pm	$\gamma=-0.214\%/^{\circ}\text{C}$
Operating Temperature Range	-40°C To +85°C

Packaging Configuration

Modules Per Pallet	22PCS
Pallet Weight	1984kg
Pallet Dimensions	1880*520*1390mm
Modules Per 40' Container	242PCS

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.