



Advanced Solar Power
ST1 Series

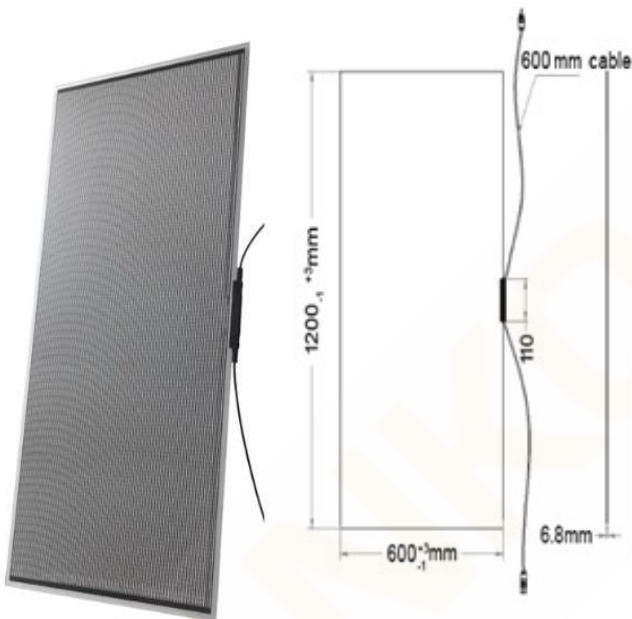
CdTe Thin-Film
Photovoltaic Module

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-live take back, and recycling of the modules



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Electrical Specifications

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

Specification	ASP-ST1-54	ASP-ST1-72	ASP-ST1-81
Nominal Power(Pm)	54W	72W	81W
Open Circuit Voltage(Voc)	122.1V	122.1V	122.1V
Short Circuit Current (Isc)	0.64A	0.85A	0.96A
Voltage at max. Power(Vm)	96.1V	96.1V	96.1V
Current at max. Power(Im)	0.56A	0.75A	0.85A
Transparency ※	40%	20%	10%

※ Transparency can be customized.

System Properties (at STC)

Maximum System Voltage	V _{SYS} (V)	1000(600UL)
Limiting Reverse Current	I _R (A)	2
Maximum Series Fuse	I _{CF} (A)	2

Temperature Coefficients (at STC)

Temperature Coefficients of Isc	α=0.060%/°C
Temperature Coefficients of Voc	β=-0.321%/°C
Temperature Coefficients of Pm	γ=-0.214%/°C

Mechanical Specifications

Length	1200mm
Width	600mm
Thickness	9.0mm
Area	0.72m ²
Weight	11.8kg
Frame	None
Lead Cable	2.5mm ² 600mm
Connectors	MC4
Bypass Diode	6.5A
Cell Type	Cadmium Telluride (CdTe)
Cover Type	3.2+0.76PVB+5,0mm
Back Glass	Normal Glass
Encapsulation	PVB