



**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-life take back, and recycling of the modules

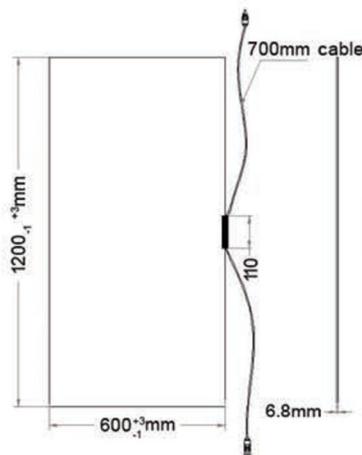


**Electrical Specifications**

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

Specification	SF-ST1-48	SF-ST1-64	SF-ST1-72
Nominal Power(Pm)	48W	64W	72W
Open Circuit Voltage(Voc)	116V	116V	116V
Short Circuit Current (Isc)	0.59A	0.78A	0.88A
Voltage at max. Power(Vm)	87V	87V	87V
Current at max. Power(Imp)	0.55A	0.73A	0.82A
Transparency※	40%	20%	10%

※ Transparency can be customized.



**System Properties (at STC)**

Maximum System Voltage	V <sub>sys</sub> (V)	1000(600UL)
Limiting Reverse Current	I <sub>R</sub> (A)	2
Maximum Series Fuse	I <sub>CF</sub> (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	6.8mm
Area	0.72m <sup>2</sup>
Weight	11.8kg
Frame	None
Lead Cable	2.5mm <sup>2</sup> ,700mm
Connectors	MC4
Bypass Diode	10A
Cell Type	Cadmium Telluride (CdTe)
Cover Type	3.2+0.76EVA/PVB+3.2mm
Back Glass	Tempered/Tinted/UV reduction
Encapsulation	EVA / PVB





Solar First Power  
SF2 Series

CdTe Thin-Film  
Photovoltaic Module

### Warranty:

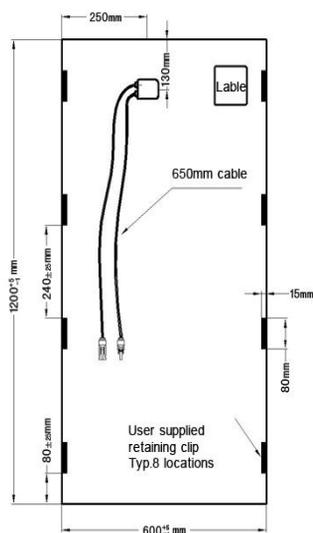
- 10 years materials and
- 25 years power output guarantee for 90% of nominal output during first years and 80% over 25 years.
- Modules are life cycle managed with a collection and recycling program, providing module owners with no cost, end-of-life take back, and recycling of the modules.

### Electrical Specifications

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

Specification	SF-80	SF-85
Nominal Power(Pm)	80W	85W
Open Circuit Voltage(Voc)	58.8V	60.2V
Shot Circuit Current (Isc)	1.90A	1.97A
Voltage at max. Power(Vm)	47.4V	48.3V
Current at max. Power(Im)	1.68A	1.76A

※ UL Certified



### System Properties (at STC)

Maximum System Voltage	V <sub>sys</sub> (V)	1000(600UL)
Limiting Reverse Current	I <sub>R</sub> (A)	3.5
Maximum Series Fuse	I <sub>CF</sub> (A)	3.5

### 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	6.8mm
Area	0.72m <sup>2</sup>
Weight	11.8kg
Frame	None
Lead Cable	2.5mm <sup>2</sup> 650mm
Connectors	MC4
Bypass Diode	10A
Cell Type	Cadmium Telluride (CdTe)
Cover Type	3.2mm normal glass laminated
Encapsulation	EVA / /Edge Seal

