

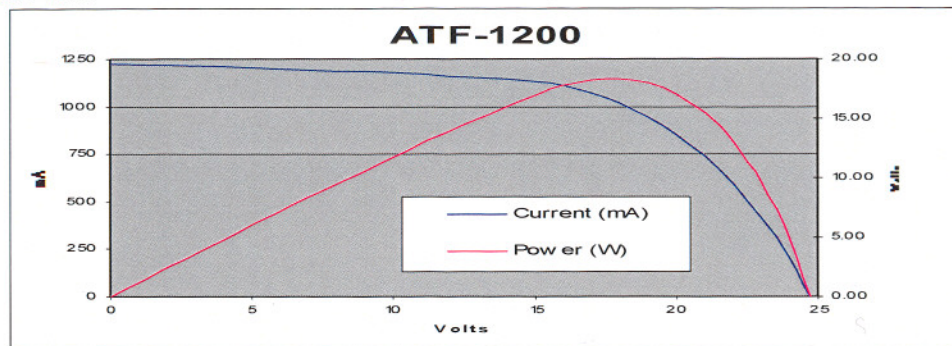


# ATF-1200



## Advanced Thin Film™ Solar Module for 12V applications

Model No.: 71012



### The Sunsei Construct line of ATF™ solar modules offers:

- High temperature and low light performance
- **20 year warranty on power output**
- Shatter-proof laminated encapsulation
- Shadow tolerance
- Solar cell edge isolation providing impenetrable moisture barrier
- Rugged rustproof anodized aluminium frame
- **More yielded power per rated Wp than crystalline solar panels for 12V systems**
- CE conformity
- ISO 9001:2000 factory certification
- Ideal for most 12V applications: lighting, telemetry, telecommunications, traffic systems, remote power systems, electric fences and gate openers
- Innovative frame designed to incorporate an M6 bolt for easy installation

### Electrical Specifications:

(measured at STC: 1000 W/m<sup>2</sup>, AM 1.5, 25°C Cell temperature)

<b>Max Power (Wp):</b>	<b>18 watts</b>
<b>Nominal Power (Wp):</b>	<b>14.4 watts</b>
<b>Imp:</b>	<b>1200 mA</b>
<b>Vmp:</b>	<b>18 volts</b>
<b>Voc:</b>	<b>24 volts</b>

### Temperature Coefficient:

(at AM 1.5, 1000 W/m<sup>2</sup> irradiance)

**ATF T° Coeff. of Power (Wp):** - 0.2% per °C

The temperature dependence of the ATF modules are especially low when compared to the typical T° coefficient for crystalline modules of -0.5% per °C. This equates to 16.5% more power at 80 °C for ATF over crystalline.

### Module Configuration:

<b>Frame:</b>	Anodized aluminum (silver)
<b>Solar Cells:</b>	Amorphous silicon
<b>Lamination:</b>	Glass, EVA, Glass
<b>Connectivity:</b>	Potted terminal housing, AWG16 positive and negative wire leads

### Dimensions:

Length:	935mm	36 <sup>3</sup> / <sub>4</sub> "
Width:	336mm	13 <sup>1</sup> / <sub>4</sub> "
Depth:	25mm	1"
Weight:	4.70kg	10 <sup>3</sup> / <sub>8</sub> lbs

#### NOTES:

1. Electrical specifications (±10%) are based on measurements performed at standard test conditions of 1000W/m<sup>2</sup> irradiance, Air Mass 1.5 and cell temperature of 25°C.
2. Actual performance may vary from rated power due to intense temperature conditions, spectral and other related effects.
3. Specifications are subject to change without notice.