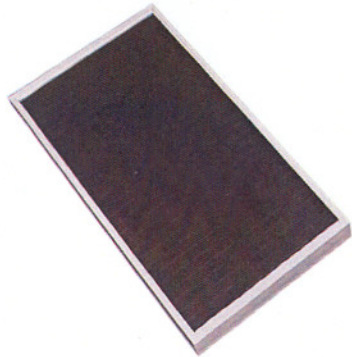




ATF-300

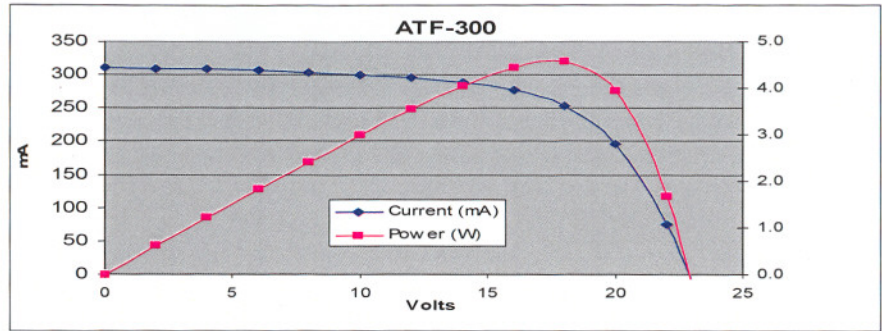
Advanced Thin Film™ Solar Module for 12V applications

Model No.: 71003



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/m², AM 1.5, 25°C Cell temperature)

Max Power (Wp):	4.5 watts
Nominal Power (Wp):	3.6 watts
I_{mp}:	285 mA
V_{mp}:	18 volts
V_{oc}:	24 volts

Temperature Coefficient:

(at AM 1.5, 1000 W/m² 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:

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

Dimensions:

Length:	240mm	9 1/4"
Width:	340mm	13 1/4"
Depth:	21mm	1"
Weight:	1.85kg	3 lbs

- NOTES:**
1. Electrical specifications (±10%) are based on measurements performed at standard test conditions of 1000W/m² 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.