

Amorphous-Si Thin Film Photovoltaic Module



BSC
BANGKOK SOLAR CO., LTD.

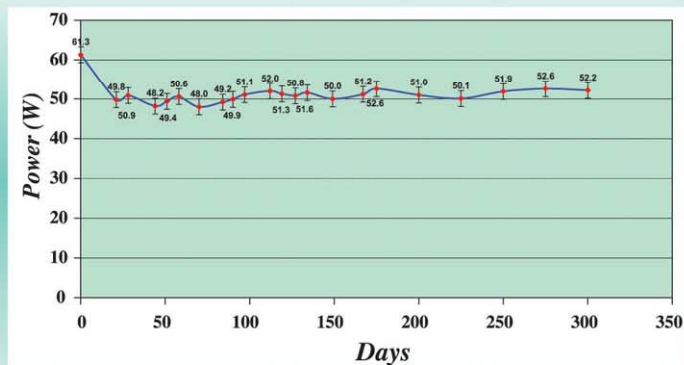
The world's most efficient a-Si Thin Film Photovoltaic Module

BS-52

**52 Watts
7 %**

IEC 61646
IEC 61730
UL 1703

Stability Test (BS-52)



Remark : STC CONDITION
1. Irradiance 1000 W/m²
2. Air Mass 1.5
3. Temperature 25 °C

Data From BSC's RD&I Department

Features

- 10% - 15% higher annual power generation than crystalline silicon type.
- Environmentally Friendly with very thin 0.6 μm. a-Si cell.
- Shorter Energy Pay-Back Time (EPT) compared to c-Si PV Module, (EPT is an important factor when evaluating PV Systems ecological benefits).

Inspired by
photosynthesis



**RoHS
COMPLIANT**



SPECIFICATIONS

Model	BS-52
Mechanical Characteristics	
Dimensions (mm x mm x mm)	635 X 1245 X 7
Weight (kg.)	13.5
Electrical Characteristics	
Nominal power (W)	52
Operating voltage (V)	71.2
Current at rated operating voltage (A)	0.74
Open circuit voltage (V)	93.6
Short circuit current (A)	0.88
Maximum system voltage (V)	1000
Maximum series fuse (A)	1

Temperature Coefficients

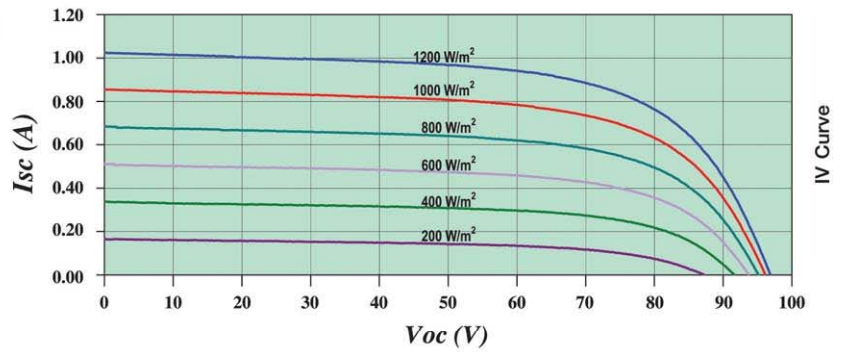
Maximum power (W)	- 0.15
Open circuit voltage (V)	- 0.30
Short circuit current (A)	+ 0.08

* Electrical Specifications are rated at Standard Test Conditions STC (Irradiance of 1000 W/m², AM 1.5, Module temperature 25°C).

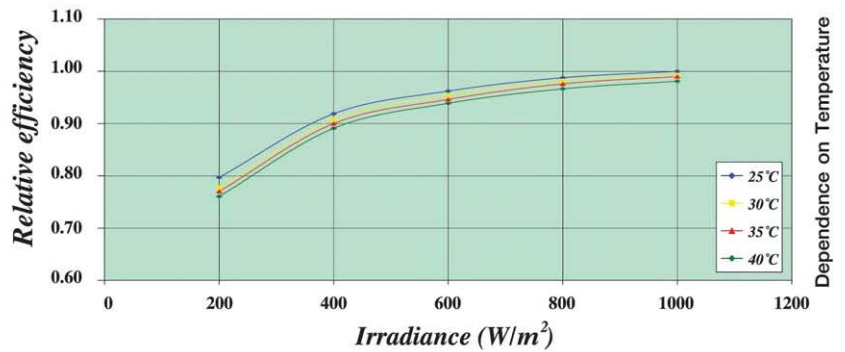
* BS-52: Compliance with IEC & UL Standard and under-testing at TUV and UL

* For UL Standard the maximum system voltage shall be 600 V.

* BSC reserves its rights to change without prior notice the contents of this data.



Data From BSC's RD&I Department



Data From BSC's RD&I Department

BS-52 Construction Drawing

