



## 30Watt Polycrystalline Solar Module



**Features**  
High power output module conversion efficiency with stable cell production technology.

Anti-reflective and anti-soiling surface reduces power loss from dirt and dust.

Outstanding performance in low-light irradiance environments.

Certified to withstand: wind load and snow load.

High salt mist and ammonia resistance certified by TUV Rheinland.

**Quality and Safety**  
Designed according to and complying with all requirements in IEC 61730, IEC 61215, UL1703, CEC Listed, MCS and CE.

ISO 9001:2008:Quality management systems.  
ISO 14001:2004:Environmental management systems.  
BS OHSAS 18001:2007:Occupational health and safety management systems.



### Electrical Characteristics

Model	ORI-30D-12/LEA
Optimum Operating Voltage (Vmp)	17.2V
Optimum Operating Current (Imp)	1.74A
Open-Circuit Voltage (Voc)	21.6V
Short-Circuit Current (Isc)	1.94A
Maximum Power at STC (Pmax)	30Wp
Nominal Voltage	12V
Operating Temperature	-40°C to +85°C
Maximum System Voltage	50V(IEC)/30V(UL)
Maximum Series Fuse Rating	5A
Power Tolerance	±10%

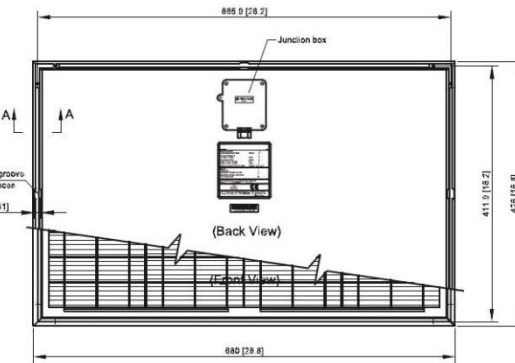
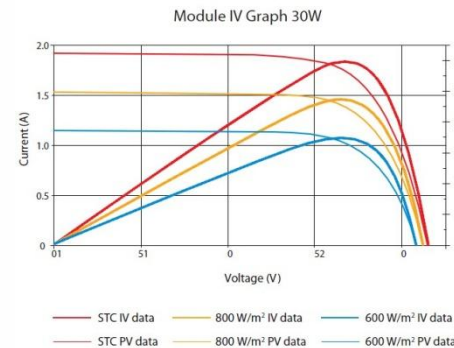
### General Characteristics

Solar Cell	Polycrystalline
Number of Cells	36 (4x9)
Dimension	426x680x18mm (16.8x26.8x0.7 inches)
Weight	3.2 Kgs (7.0 lbs)
Front Glass	3.2mm tempered glass
Frame	Anodized aluminum alloy
Mechanical load	5400 pa
Classification	Application class A; IP65

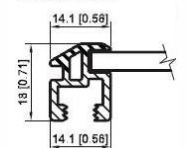
### Temperature Coefficients

NOCT (°C)	45±2
Temperature Coefficient of Pmax (%/°C)	-0.47
Temperature Coefficient of Voc (%/°C)	-0.34
Temperature Coefficient of Isc (%/°C)	0.045

### IV Curves



Section A-A



### Warranties

