

DW Solar Solar Module

300W

Introduction

DW Solar MONO module assembled with high efficiency cells, the modules offers the advantages of higher power output, Cell temperature dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.



Higher Durability

The multi-busbar design can decrease the risk of the cell micro-cracks and fingers broken.



High Power Density

High conversion efficiency and more power output per square meter, by lower series resistance and improved light harvesting.



PID Resistant

Tested in accordance to the standard IEC 62804, our PV modules have demonstrated resistance against PID (Potential Induced Degradation), which translates to security for your investment.

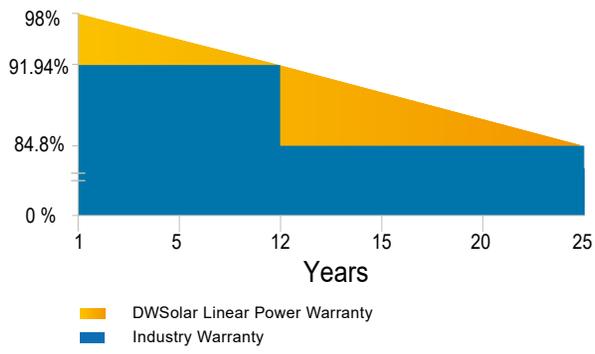


Bigger Cells with better performance

A slight increase of the size of our cells, Boosts the performance of the newest modules by six percent on average.

Quality Assurance

- 12-year warranty for material and technology
- 25-year linear power output warranty

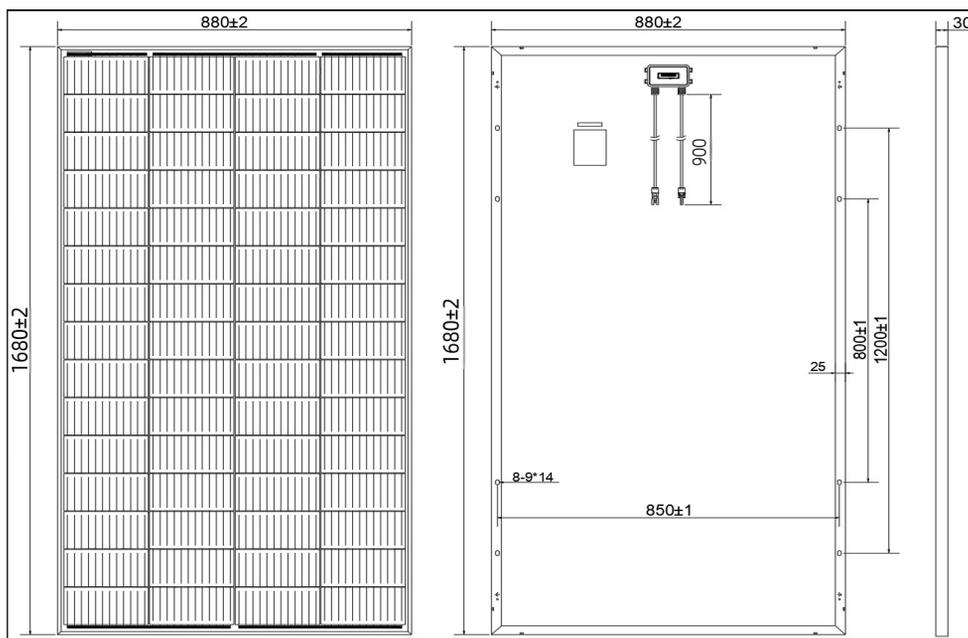


Comprehensive Certificates

- IEC61215, IEC61730
- ISO9001:2015 Quality management systems
- ISO14001:2015 Environmental management systems
- ISO45001:2018 Occupational health and safety management systems



MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	14.2kg
Dimensions	1680*880*30mm
Cell Size	210*105mm
Cell Amount	4*15pcs
Maximum System Voltage	1000V
Junction Box	IP67
Frame	Anodized Aluminum Alloy
Cable	4.0mm ² /90CM
Connector	MC4
Application Class	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	DW-300M
Maximum Power (Pmax/W)	300
Open Circuit Voltage(Voc/V)	43.0
Short Circuit Current(Isc/A)	8.76
Maximun Power Voltage(Vmp/V)	36.0
Maximum Power Current(Imp/A)	8.33
Module Efficiency(%)	20.30

*Under Standard Test Conditions (STC) of Irradlance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C

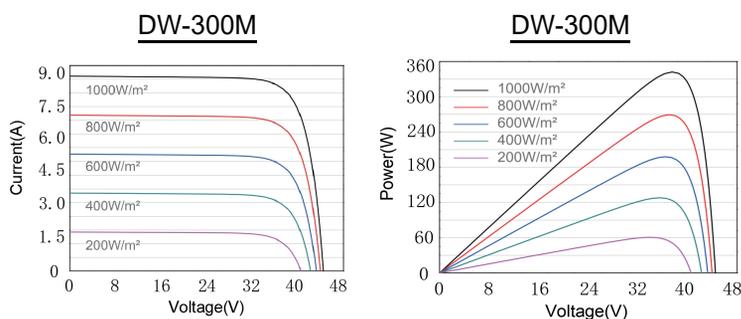
TEMPERATURE CHARACTERISTICS

NOCT	45±2°C	Temp Coefficient of Isc	+0.050%/°C
Temp Coefficient of Voc	-0.275%/°C	Temp Coefficient of Pmax	-0.300%/°C

PACKING CONFIGURATION

Modules/Carto	2 Pieces	Modules/40 ' Container	1280 Piece
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Electrical Parameter Curve



Power Tolerance	± 3%
Operating Temperature	-40°C~+85°C
Wind Load/ Snow Load	2400pa/5400pa