

Technical Data

Product: Mono-crystalline silicon solar PV module

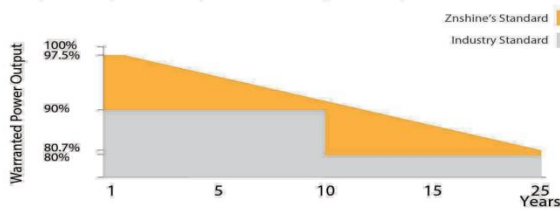
Rated Power: **300Wp**

1 Electrical Characteristics:

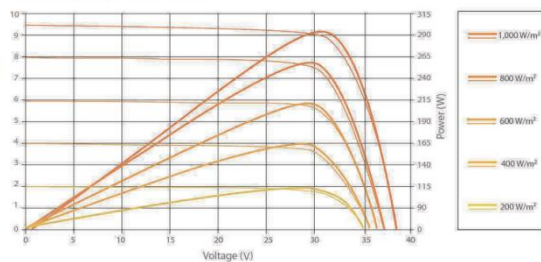
At STC: 1000W/m², Cell temperature 25°C, AM1.5

Module type	RT300MW
Rated Power	300Wp
Tolerance	0~+3%
Open Circuit Voltage (V_{oc})	39.7V
Short Circuit Current (I_{sc})	9.97A
Max. Power Voltage (V_m)	32.2v
Max. Power Current (I_m)	9.32A
Temperature coefficients of I_{sc} (%)	0.05%/°C
Temperature coefficients of V_{oc} (%)	-0.32%/°C
Temperature coefficients of P_m (%)	-0.40%/°C
Module Efficiency (%)	≥18.44

12 years product warranty for general application
 15 years product warranty for Rooftop PV system
 25 years output warranty/0.7% linear degradation p.a.



✓ CURVES OF THE PV MODULE



2 Overall Characteristics:

- 60 Crystalline photovoltaic Cells per Module
- Size: 1650*992*35mm
- Weight: 19kg
- Glass 3.2mm tempered
- EVA encapsulated
- Glass Foil Sandwich Laminated
- Sandblasting anodizing Aluminum frame
- IEC 5400Pa tested
- Hail up to 25mm diameter, 80 Km/h tested
- Temperature Range: -40 to +85°C
- Nominal operating cell temperature (NOCT): 47°C

3 Electrical connection:

- Junction Box IP67
- 3 Bypass Diodes, nominal current 15A
- Solar Cable 4mm² 900mm with MC4 connectors
- Module connection max 1000 DC in series
- 40HQ=840PCS

4 Certificates

- TUV IEC 61215
- TUV IEC 61730-01/02
- CE
- ISO 9001:2015
- ISO 14001:2015

