

# Technical Data

Product: Mono-crystalline silicon solar PV module

Rated Power: **120Wp**

## 1 Electrical Characteristics:

At STC: 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5

Module type	RT120WM
Rated Power	120Wp
Tolerance	±5%
Open Circuit Voltage ( $V_{oc}$ )	22.8V
Short Circuit Current ( $I_{sc}$ )	6.95A
Max. Power Voltage ( $V_m$ )	18.6V
Max. Power Current ( $I_m$ )	6.46A
Temperature coefficients of $I_{sc}$ (%)	0.10/°C
Temperature coefficients of $V_{oc}$ (%)	-0.33/°C
Temperature coefficients of $P_m$ (%)	-0.23/°C
Module Efficiency (%)	≥15.90%
package	120pcs/pallet

## 2 Overall Characteristics:

- 36 Monocrystalline photovoltaic Cells
- Size: 1000\*665\*35mm (±5mm)
- Weight: 6.8kg
- 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
- 2 Bypass Diodes, nominal current 15A
- Solar Cable 2.5mm<sup>2</sup> 1000mm + MC4
- Module connection max 800 DC in series
- Limiting reverse current  $I_r=0.2A$

## 4 Certificates

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

