

120W

High Efficiency Monocrystalline Solar Module 120W

0~+3% Positive tolerance

IEC61215(2016), IEC61730(2016)

ISO9001:2015: Quality Management System

ISO14001:2015: Environmental Management System



Module Features



Multi Busbars Technology

Better light utilization and current collection ability, effectively improving the power output and reliability.



Operational in Harsh Environment

High salt spray and high ammonia corrosion test certified by the third party.



Better Resistance to Hot Spots

Obtaining better temperature coefficient and resistance to hot spots by optimizing the circuit design and operating current.



Load Capability

2400Pa wind load and 5400Pa snow load certification.

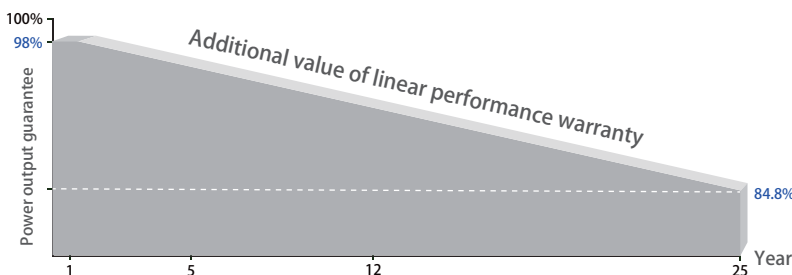


Anti PID Assurance

Minimizing the attenuation probability caused by the PID phenomenon through optimized solar cell production technology and material control.



Industry Leading Linear Warranty



10-year warranty for material & craft

25-year linear warranty

Exceptional warranty commitment 25 years power warranty

0.55% linear power attenuation

JT-40M

Electrical Parameter at STC

Maximum Power	P _{max} (W)	120
Operating Voltage at Maximum Power	V _{mp} (V)	22.0
Operating Current at Maximum Power	I _{mp} (A)	5.45
Open Circuit Voltage	V _{oc} (V)	24.64
Short Circuit Current	I _{sc} (A)	6.38
Module Efficiency	(%)	18.8
Power Tolerance	(W)	0~+5W

* Standard test conditions (STC): air mass AM1.5, irradiance 1000W / m², cell temperature 25 °C.

Electrical Parameter at NOCT

Maximum Power	P _{max} (W)	90
Operating Voltage at Maximum Power	V _{mp} (V)	20.48
Operating Current at Maximum Power	I _{mp} (A)	4.37
Open Circuit Voltage	V _{oc} (V)	23.10
Short Circuit Current	I _{sc} (A)	5.16

* Nominal Operating Cell Temperature (NOCT): irradiance 800W / m², cell temperature 20°C, wind speed 1m/s.

Material Data

Cell Type	Mono 166mm
Number of Cells	40 pcs(4x10)
Module Dimension	890×715×30mm
Weight	10.5 kg
Glass	3.2mm high transmittance, anti-reflection coated tempered glass
Back Sheet	White
Frame	Anodized aluminum alloy
Junction Box	Protection degree IP68
Cable	2.5mm ² , 700mm long PV cable
Quantity of diodes	3
Wind Load/Snow Load	2400pa / 5400pa
Connector	Compatible MC4 connector

Temperature Characteristics

Nominal Operating Temperature of Cell	44±2°C
Temperature Coefficient(I _{sc})	+0.06%/°C
Temperature Coefficient (V _{oc})	-0.30%/°C
Temperature Coefficient (P _{max})	-0.39%/°C

Packaging

Quantity /Pallet	31 pcs
17.5*2.8m Truck Loading Quantity	1240 pcs
13.0*2.35m Truck Loading Quantity	930 pcs
20GP Container	372 pcs
40HQ Container	868 pcs

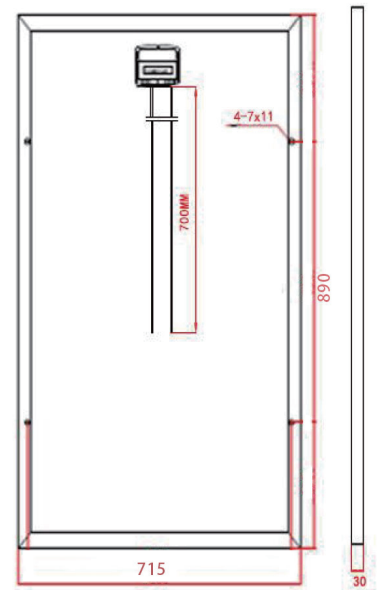
Limit Parameter

Operating Temperature	-40~+85°C
Maximum System Voltage	1000V DC
Maximum Fuse Rated Current	15A

Options Available

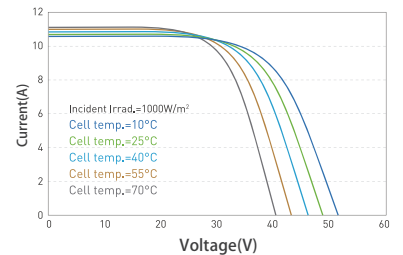
Connector	<input type="checkbox"/> Original MC4
Cable Length	<input type="checkbox"/> 1000mm <input type="checkbox"/> 1200mm
Frame	<input type="checkbox"/> Black
Module Dimension	<input type="checkbox"/> 890x718x35mm
Colour of Back Sheet	<input type="checkbox"/> Black <input type="checkbox"/> Transparent

Module Dimension

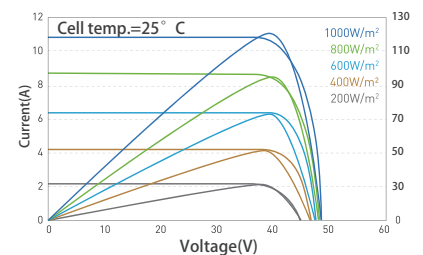


Back view

Curves of Current and Voltage at Different Temperatures(120w)



Curves of Current and Voltage/Curves of Power Voltage under Different Irradiance (120w)



Power Tolerance +/- 3%