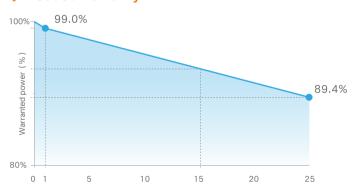


- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System ISO45001:2018: Occupational health and safety management systems

## | Product Warranty



Warranty for Materials and Processing

Warranty for Extra Linear Power Output

First Year Power Degradation < 1%

Year 2-25 Power Degradation < 0.4%

## | Product Performance



## **Higher Efficiency**

Excellent MBB technology and leading process technology, conversion efficiency up to 23.6%



### Smaller Size

A lightweighted design for convenient transportation and installation



## Lower LCOE

Effectively reduce system BOS costs and shorten the return on investment cycle



#### **Superior Temperature** Coefficient

Generating 1%-2% more power than P-type modules in high temperature



## Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control

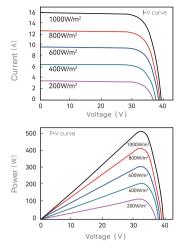


#### Superior Mechanical Load Capacity

Heavy snow load up to 5400 Pa wind load up to 2400 Pa

# | Engineering Drawings

# I-V and P-V Curves



# | Specifications (STC)

Unit: mm

Maximum Power Pmax (W)	505	510	515	520	525
Voltage at Maximum Power (Vmp/V)	33.57	33.77	33.97	34.17	34.37
Current at Maximum Power (Imp/A)	15.05	15.11	15.17	15.23	15.29
Open Circuit Voltage (Voc/V)	40.18	40.38	40.58	40.78	40.98
Short Circuit Current (Isc/A)	16.00	16.06	16.12	16.18	16.24
Module Efficiency (%)	22.7	22.9	23.2	23.4	23.6
Power Tolerance	0~+3%		Maximum System Voltage		DC1500V
Maximum Series Fuse Rating	30A		Operating Temperature		-40°C~+70°C

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

## **Mechanical Characteristics**

Cell Type	N- type mono-crystalline
Cell Orientation	108 (2 x 54)
Dimension	1961 x 1134 x 30mm
Weight	22.2kg
Glass	Single glass,2.8mm coated tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 rated
Output Cables	4mm², (+): 1200mm, (-): 1200mm or customized length
Connector Type	MC4-EVO2A/others
Mechanical Load	5400Pa (Front side) /2400Pa (Rear side)

# **| Temperature Characteristics**

Temperature Coefficients of Pmax	-0.29%/°C
Temperature Coefficients of Voc	-0.25%/°C
Temperature Coefficients of Isc	0.045%/°C

# | Packaging Configuration

Packing Detail	36 pcs/pallets, 72 pcs/stack,		
	864 pcs/ 40'HQ container		



