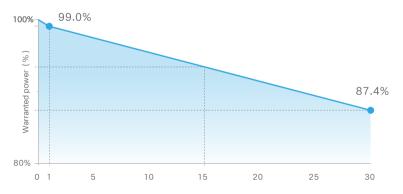


- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System ISO45001:2018: Occupational health and safety management systems

| Product Warranty



Warranty for Materials and Processing

30_{Year}

Warranty for Extra Linear Power Output

First Year Power Degradation < 1%

Year 2-30 Power Degradation < 0.4%

| Product Performance



Higher Efficiency

Excellent MBB technology and leading process technology, conversion efficiency up to 23.4%



Smaller Size

A lightweighted design for convenient transportation and installation



Higher Bifacial Factor

The rear power output and generation capacity are 20% and 3.5% higher than P-type, respectively



Superior Temperature Coefficient

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



Anti-PID Guarantee

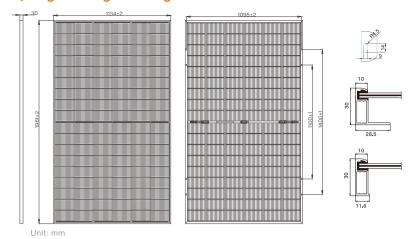
Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control



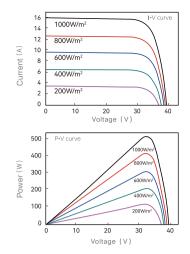
Superior Mechanical Load Capacity

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

| Engineering Drawings



I-V and P-V Curves



| Specifications (STC)

Maximum Power Pmax (W)	500	505	510	515	520
Voltage at Maximum Power (Vmp/V)	33.70	33.94	34.19	34.43	34.67
Current at Maximum Power (Imp/A)	14.84	14.88	14.92	14.96	15.00
Open Circuit Voltage (Voc/V)	40.06	40.24	40.42	40.60	40.78
Short Circuit Current (Isc/A)	15.89	15.92	15.95	15.98	16.01
Module Efficiency (%)	22.5	22.7	22.9	23.2	23.4
Power Tolerance	0~+3%		Maximum System Voltage		DC1500V
Maximum Series Fuse Rating	30A		Operating Temperature		-40°C~+70°C
Bifacial Factor	80±5%				

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

| Specifications (BNPI)

Maximum Power Pmax (W)	550	556	561	567	572
Voltage at Maximum Power (Vmp/V)	33.70	33.94	34.19	34.43	34.67
Current at Maximum Power (Imp/A)	16.32	16.37	16.41	16.46	16.50
Open Circuit Voltage (Voc/V)	40.06	40.24	40.42	40.60	40.78
Short Circuit Current (Isc/A)	17.48	17.51	17.55	17.58	17.61

BNPI: Irradiance Front 1000W/m², Rear 135W/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	26.5kg
Glass	Dual glass, 2.0mm+2.0mm semi-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		



