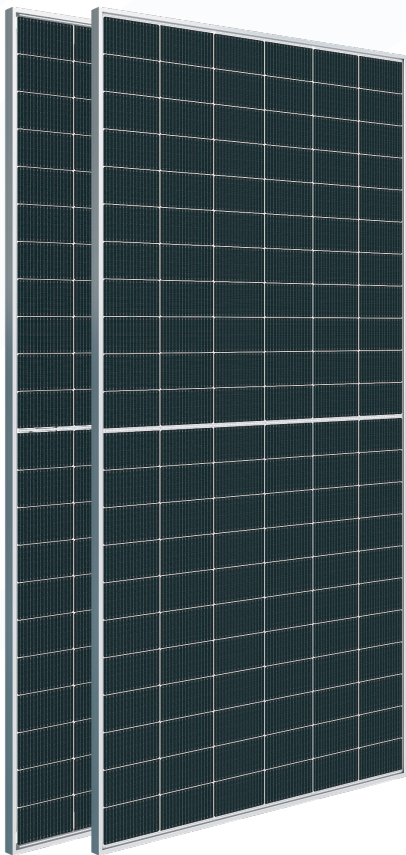


600~630W

Module HC 132 Dual Glass Bifacial

Mono-Crystalline TOPCON



0~+3

POWER SORTING

23.32%

MAX MODULE EFFICIENCY

≤1.0%

FIRST YEAR POWER DEGRADATION

≤0.4%

YEAR 2-30 POWER DEGRADATION

Key Features



Multi Busbar Solar Cell



High Efficiency



PID Resistance



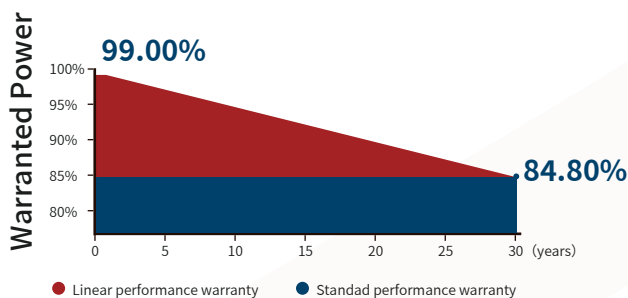
Low-light Performance



Severe Weather Resilience



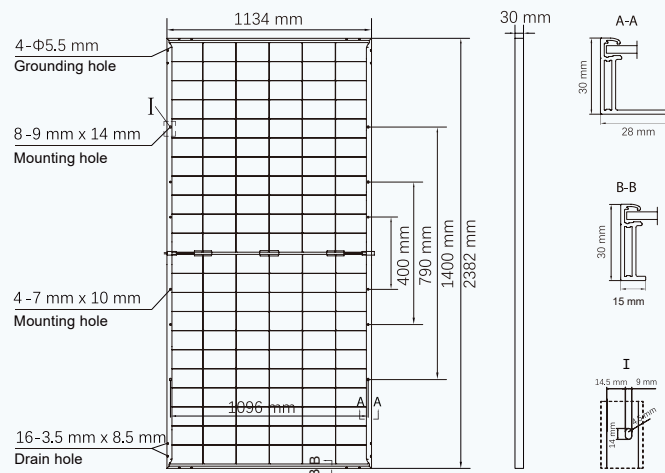
Durability Against Extreme Environmental Conditions



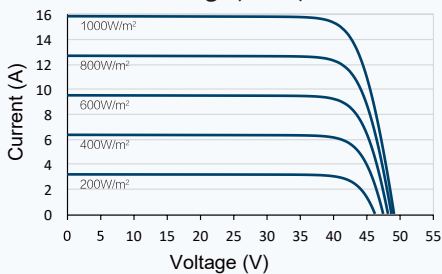
Warranty



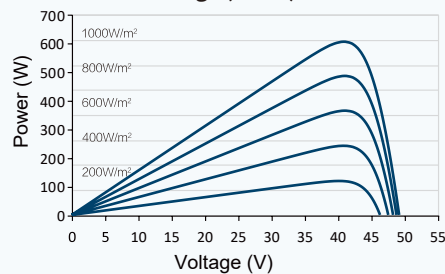
Drawings (Unit:mm)



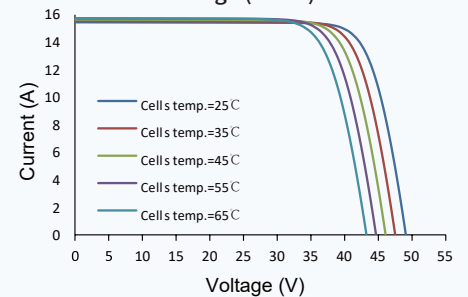
Current-Voltage (630W)



Power-Voltage (630W)



Current-Voltage (630W)



Mechanical Parameters

Cells	Mono N TYPE
Cell Orientation	132[6x22]
Dimension	2382±2x1134±2x30mm
Weight	32.4kg
Front / Back Glass	2.0+2.0mm
Frame	Silver anodized aluminum
Junction Box	IP68, 3 diodes
Connector	HCB40 (Standard)/ MC4-EVO2A (Optional)
Cable Length	±300mm, 4mm²/ 12 AWG, Length can be customized
Fire Rating	UL: Type 1, IEC:Class C
Maximum Static Load	5400 Pa (front)/ 2400 Pa (rear)
Packaging	37pcs/ pallet, 740pcs per Truck

Temperature Parameters

Temperature Coefficient (Pmax)	-0.29%/°C
Temperature Coefficient (Voc)	-0.25%/°C
Temperature Coefficient (Isc)	+0.043%/°C
NMOT	45±2°C

Maximum Ratings

Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500V DC
Maximum Series Fuse Rating	35 A
Power Output Tolerance	0~+3%

Electrical Characteristics(STC)

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5, Measuring Tolerance: ±3%

Maximum Power: Pmax[W]	600	605	610	615	620	625	630
Open Circuit Voltage: Voc[V]	48.44	48.59	48.74	48.89	49.09	49.19	49.34
Short Circuit Current: Isc[A]	15.78	15.86	15.94	16.02	16.10	16.19	16.27
Voltage at Maximum Power: Vmp[V]	41.05	41.18	41.31	41.43	41.58	41.69	41.82
Current at Maximum Power: Imp[A]	14.62	14.69	14.77	14.84	14.91	14.99	15.06
Module Efficiency: η[%]	22.2%	22.4%	22.6%	22.8%	22.95%	23.13%	23.32%

Electrical Characteristics(NMOT)

NMOT: Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Maximum Power: Pmax[W]	451.2	455.0	458.7	462.5	466.3	470.1	473.9
Open Circuit Voltage: Voc[V]	46.01	46.15	46.30	46.44	46.59	46.73	46.87
Short Circuit Current: Isc[A]	12.74	12.80	12.87	12.94	13.01	13.08	13.25
Voltage at Maximum Power: Vmp[V]	38.64	38.76	38.88	39.00	39.12	39.24	39.36
Current at Maximum Power: Imp[A]	11.68	11.74	11.80	11.86	11.92	11.98	12.04

Electrical Specifications (Integrated Power)

Pmpp ganar	Pmpp / Wp	Vmpp / V	Imp / A	Voc / V	Isc / A
5%	661	41.82	15.81	49.34	17.07
10%	693	41.82	16.57	49.34	17.89
15%	724	41.82	17.31	49.34	18.69
20%	756	41.82	18.08	49.34	19.52
25%	787	41.82	18.81	49.34	20.31