

KEY FEATURES



Excellent Cells Efficiency

MBB technology reduce the distance between busbars and finger grid line which is benefit to power increase.



Anti PID

Ensured PID resistance through the quality control of cell manufacturing process and raw materials.



TIER 1

Global, Tier 1 bankable brand, with independently certified advanced automated manufacturing.



Better Weak Illumination Response

More power output in weak light condition, such as haze, cloudy, and early morning.



Adapt To Harsh Outdoor Environment

Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity environment.

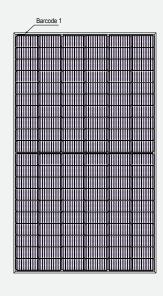


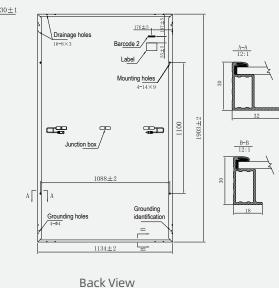
Excellent Quality Managerment System

Warranted reliability and stringent quality assurances well beyond certified requirements.



DIMENSIONS OF PV MODULE(mm)

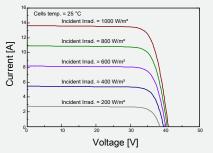




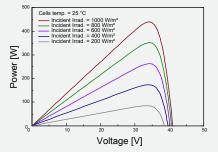
Front View

*Remark: customized frame color and cable length available upon request

I-V CURVES OF PV MODULE(440W)



P-V CURVES OF PV MODULE(440W)



ELECTRICAL CHARACTERISTICS | STC*

MECHANICAL DATA

Nominal Power Watt Pmax(W)*	440	445	450	455	460	465	Solar cells	Mono PERC
Maximum Power Voltage Vmp(V)	34.10	34.30	34.50	34.70	34.90	35.10	Cells orientation	120 (6×20)
Maximum Power Current Imp(A)	12.91	12.98	13.05	13.12	13.19	13.25	Module dimension	1903×1134×30 mm (With Frame)
Open Circuit Voltage Voc(V)	41.00	41.20	41.40	41.60	41.80	42.00	Weight	23±1 kg
Short Circuit Current Isc(A)	13.64	13.71	13.78	13.85	13.92	13.99	Glass	3.2mm, High Transmission, AR Coated Tempered Glass
Module Efficiency (%)	20.39	20.62	20.85	21.08	21.32	21.55	Junction box	IP 68, 3 diodes
*The data above is for reference only and the *STC (Standard Test Condition): Irradiance 10					esting		Cables	4 mm² ,350 mm (With Connectors)

Connectors*

*Measuring uncertainity: ±3%, all the electrical characteristics such as Power, Im, Vm and FF are within ±3% tolerance.

ELECTRICAL CHARACTERISTICS | NMOT Maximum Power Pmax(Wp) 328.90 332.60 336.40 340.10 343.80 347.40 Maximum Power Voltage Vmpp(V) 31.90 32.10 31.70 32.30 32.50 32.60 Maximum Power Current Impp(A) 10.37 10.43 10.48 10.54 10.59 10.64 Open Circuit Voltage Voc(V) 38 30 38 50 38 70 38.90 39.00 39 20 Short Circuit Current Isc(A) 11.02 11.07 11.30 11.13 11.18 11.24 *NMOT:Irradiance 800W/m²,Ambient Temperature 20°C,AM 1.5,Wind Speed 1m/s

PACKAGING	CONFIGURATION [*]

Piece/Box	36
Piece/Container(40'HQ)	864
Customized nackaging is available upon request	

TEMPERATURE RATINGS			
NMOT	44°C ±2°C	Maximum system voltage	1500 V DC
Temperature coefficient of Pmax	-0.35%/°C	Operating temperature	-40°C~+85°C
Temperature coefficient of Voc	-0.29%/°C	Maximum series fuse	25 A
Temperature coefficient of Isc	0.05%/°C	Front Side Maximum Static Loading	Up to 5400 Pa

Rear Side Maximum Static Loading Up to 2400 Pa

rk:Do not connect Fuse in Combiner Box with two or more strings in parallel connection Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.

They only serve for comparison among different module types.

*Caution:Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules

MC4-compatible

*Please refer to regional datasheet for specified connector

'Customized packaging is available upon request

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