

# **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.

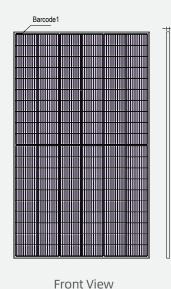


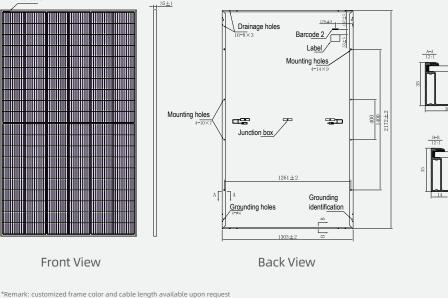
# **Excellent Quality Managerment System**

Warranted reliability and stringent quality assurances well beyond certified requirements.

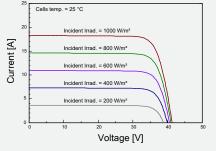


# **DIMENSIONS OF PV MODULE(mm)**

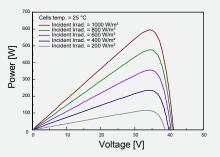




I-V CURVES OF PV MODULE(595W)



# P-V CURVES OF PV MODULE(595W)



1500 V DC

-40°C~+85°C

Up to 5400 Pa

Up to 2400 Pa

#### **ELECTRICAL CHARACTERISTICS** | STC\*

#### **MECHANICAL DATA**

Nominal Power Watt Pmax(W)*	585	590	595	600	605	610	Solar cells	Mono PERC
Maximum Power Voltage Vmp(V)	33.80	34.00	34.20	34.40	34.60	34.80	Cells orientation	120 (6×20)
Maximum Power Current Imp(A)	17.31	17.36	17.40	17.45	17.49	17.53	Module dimension	2172×1303×35 mm (With Frame)
Open Circuit Voltage Voc(V)	40.90	41.10	41.30	41.50	41.70	41.90	Weight	30.5 ±1 .0 kg
Short Circuit Current Isc(A)	18.23	18.27	18.31	18.35	18.39	18.43	Glass	3.2mm, High Transmission, AR Coated Tempered Glass
Module Efficiency (%)	20.67	20.85	21.02	21.20	21.38	21.55	Junction box	IP 68, 3 diodes
*The data above is for reference only and the actual data is in accordance with the pratical testing *STC (Standard Test Condition): Irradiance 1000W/m <sup>2</sup> , Module Temperature 25±2°C, AM 1.5							Cables	4 mm² ,350 mm (With Connectors)

Connectors\*

MC4-compatible

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

ELECTRICAL CHARACTERISTIC	5   NM	ют				*Please refer to regional datasheet for specified connector <b>TEMPERATURE RATINGS</b>		WORKING CONDITIONS		
Maximum Power Pmax(Wp)	439.80	443.70	447.30	451.20	454.90	458.50	NMOT	43℃ ±2℃	Maximum system voltage	1500 V D
Maximum Power Voltage Vmpp(V)	31.80	31.90	32.10	32.30	32.50	32.70	Temperature coefficient of Pmax	-0.34%/°C	Operating temperature	-40°C~+8
Maximum Power Current Impp(A)	13.85	13.89	13.92	13.96	13.99	14.02	Temperature coefficient of Voc	-0.29%/°C	Maximum series fuse	30 A
Open Circuit Voltage Voc(V)	38.40	38.60	38.80	39.00	39.20	39.30	Temperature coefficient of Isc	0.05%/°C	Front Side Maximum Static Loading	Up to 540
Short Circuit Current Isc(A)	14.71	14.75	14.78	14.81	14.84	14.88	*Remark:Do not connect Fuse in Combiner Box with t	wo or more strings i	Rear Side Maximum Static Loading n parallel connection	Up to 240
*NMOT:Irradiance 800W/m²,Ambient Tempera	ture 20°C,AN	4 1.5,Wind	Speed 1m/	S		*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.				
PACKAGING CONFIGURATIO					*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.					

31 Piece/Box Piece/Container(40'HQ) 558 \*Customized packaging is available upon request

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