

630-650W

Supreme Quality



Module efficiency up to 23.3% based on N-Type wafer and TOPCon technology



More power output in field operation due to better thermal behaviors, weak-light performance and bifaciality



Unsusceptible to LID, LeTID and less annual degradation due to special characteristics of N-Type



High module quality ensures long-term reliability

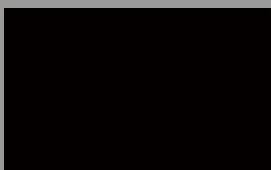
Module Characteristics

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Product Warranty

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Linear Power Warranty





TECHNICAL SPECIFICATIONS

No. of cells	156 (2×78)
Output Cables	TÜV 1×4mm ²
	(+)300mm,(-)200mm in length or customized length
	Front: 2.0mm, AR-coating, semi-tempered
	Rear: 2.0mm, semi-tempered
	Anodized aluminum alloy frame
Weight	33.5 kg (73.85 lbs)
	2465×1134×30mm
Packaging	36 pcs per pallet
	144 pcs per 20' HC, 576 pcs per 40' HC
Protection Class	
Fire Rating	



* Length:±2mm Width:±2mm Height:±1mm Row Pitch:±2mm

PERFORMANCE DATA

Testing Condition									
Maximum Power (Pmax/W)									492
Open-circuit Voltage (Voc/V)			57.12		57.29				
Short-circuit Current (Isc/A)				11.23		11.29			
Maximum Power Voltage (Vmp/V)				45.26				48.22	45.72
Maximum Power Current (Imp/A)	13.25			10.62			13.42		
Module Efficiency (%)	22.5		22.7		22.9		23.1		23.3

Note: 1 STC: Irradiance 1000W/M², Cell Temperature 25℃, AM=1.5 2 NOCT: Irradiance 800W/M², Ambient Temperature 20℃, AM=1.5, Wind Speed 1M/S

TEMPERATURE COEFFICIENTS

	20%		
Maximum Power at STC (Pmax)	672.0		
Open-circuit Voltage (Voc/V)			
Short-circuit Current (Isc/A)			
Maximum Power Voltage (Vmp/V)			
Maximum Power Current (Imp/A)			
Module Efficiency (%)	24.0	25.2	27.5

*The above data is for reference only. When signing a contract, the latest version of the product specification shall prevail.

MECHANICAL SPECIFICATIONS

Temperature coefficient of Isc	+ 0.045%/℃
Temperature coefficient of Voc	- 0.25%/℃
Temperature coefficient of Pmax	- 0.29%/℃

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40℃ ~ +85℃
Humidity Tolerance	0% ~ +5W
Voltage Tolerance	1500V(IEC)
	45±2
Maximum Series Fuse Rating	
Bifacial Factor	
Junction Box	

LOADING SPECIFICATIONS

Static Loading	
Dynamic Loading	2400Pa
	25mm hailstone at 23m/s

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