

BSC HALF CELL 72M

390-410 Watt

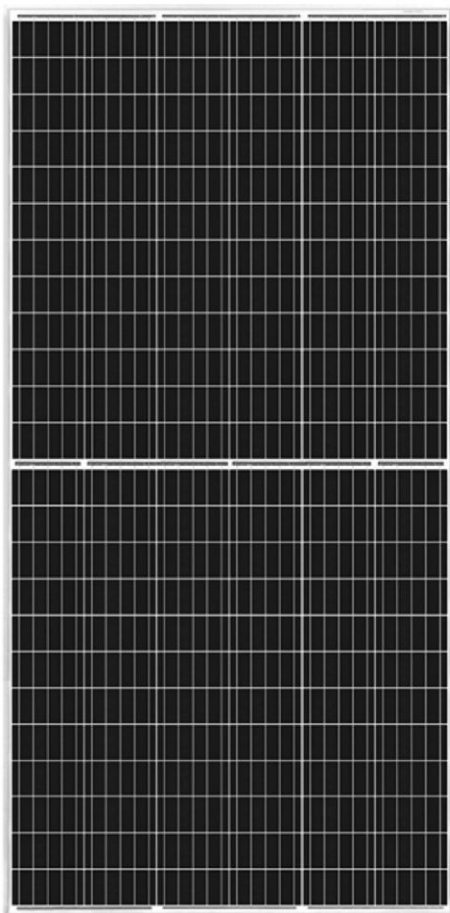
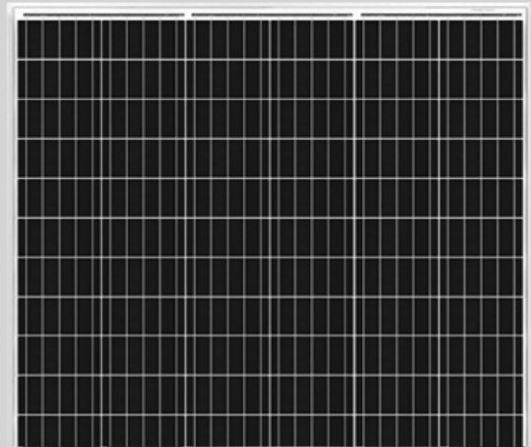
MONO PERC HALF CELL MODULE

Positive power tolerance 0~ +3%

ISO9001:2008 certified factory

IEC61215 IEC61730 certified products

PERC
5BB



KEY FEATURES



5 Busbar Solar Cell:

5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



High Efficiency:

Higher module conversion efficiency (up to 20.2%) benefit from half cell structure (low resistance characteristic).



PID Resistance

Excellent Anti-PID performance guarantee limited power degradation for mass production.



Low-light Performance:

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



Severe Weather Resilience:

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

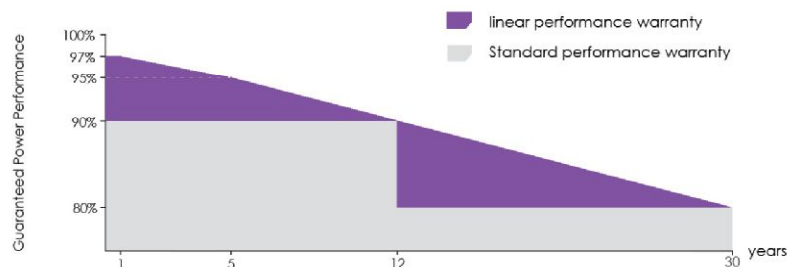


Durability against extreme environmental conditions:

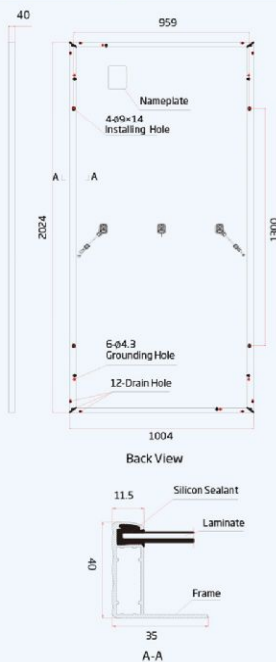
High salt mist and ammonia resistance certified by TUV.

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty • 30 Year Linear Power Warranty



Engineering Drawings



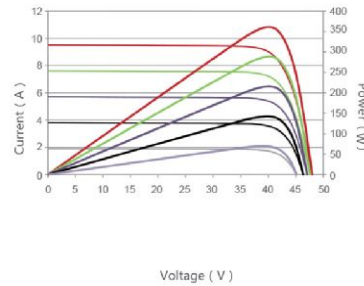
Packaging Configuration

(2 pallets=1 stack)

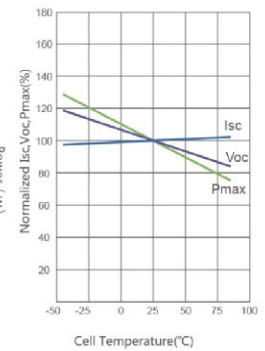
26pcs/pallet, 52pcs/stack, 572pcs/40' Container

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves(400W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	Square Mono-Crystalline PERC 158.75x158.75mm
No. of cells	144 (6x24)
Dimensions	2024x 1004 x 40mm
Weight	22.8 kg
Front Glass	3.2mm, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 rated
Output Cables	TUV 1x4.0mm ² , (+)285mm (-)140mm

SPECIFICATIONS

Module Type	BHC-390M		BHC-395M		BHC-400M		BHC-405M		BHC-410M	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	390Wp	294Wp	395Wp	298Wp	400Wp	302Wp	405Wp	306Wp	410Wp	310Wp
Maximum Power Voltage (Vmp)	41.10V	39.10V	41.40V	39.30V	41.70V	39.60V	42.00V	39.80V	42.30V	40.00V
Maximum Power Current (Imp)	9.49A	7.54A	9.55A	7.60A	9.60A	7.66A	9.65A	7.72A	9.69A	7.76A
Open-circuit Voltage (Voc)	49.30V	48.00V	49.50V	48.20V	49.80V	48.50V	50.10V	48.70V	50.40V	48.90V
Short-circuit Current (Isc)	10.12A	8.02A	10.23A	8.09A	10.36A	8.16A	10.48A	8.22A	10.60A	8.26A
Module Efficiency STC (%)	19.2%		19.4%		19.70%		19.9%		20.2%	
Operating Temperature(°C)					-40°C~+85°C					
Maximum system voltage					1000VDC (IEC)					
Maximum series fuse rating					20A					
Power tolerance					0~+3%					
Temperature coefficients of Pmax					-0.36%/°C					
Temperature coefficients of Voc					-0.28%/°C					
Temperature coefficients of Isc					0.048%/°C					
Nominal operating cell temperature (NOCT)					45±2°C					

STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

AM=1.5

Wind Speed 1m/s

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