

Module HC 72M 405-415 Watt

MONO PERC HALF CELL MODULE

Positive power tolerance of 0~+3%

- Half Cell
- Mono PERC 72 Cell



KEY FEATURES



9 Busbar Solar Cell

9 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 20.38%) 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 cell surface textured design ensure excellent performance in low-light environment.



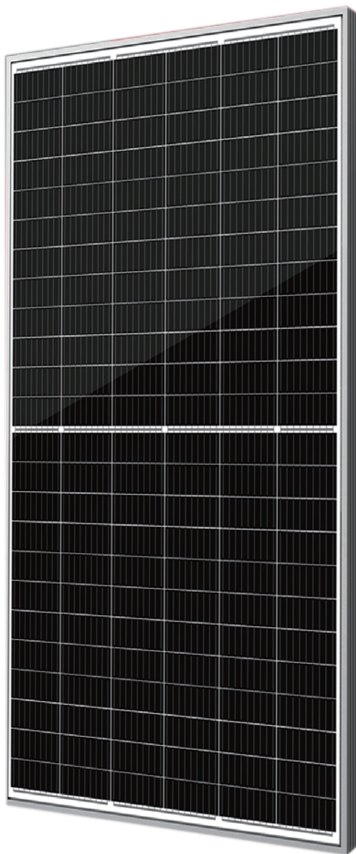
Severe Weather Resilience

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

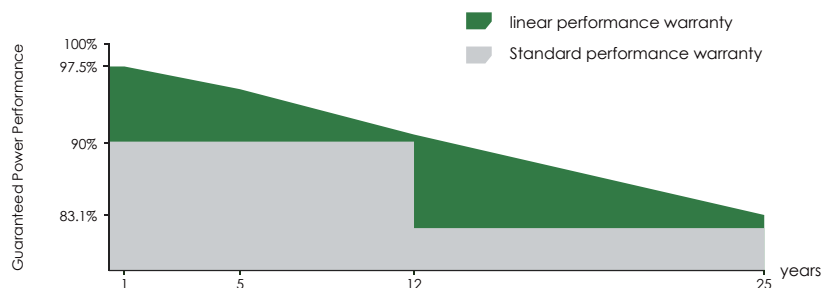


LINEAR PERFORMANCE WARRANTY

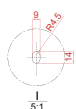
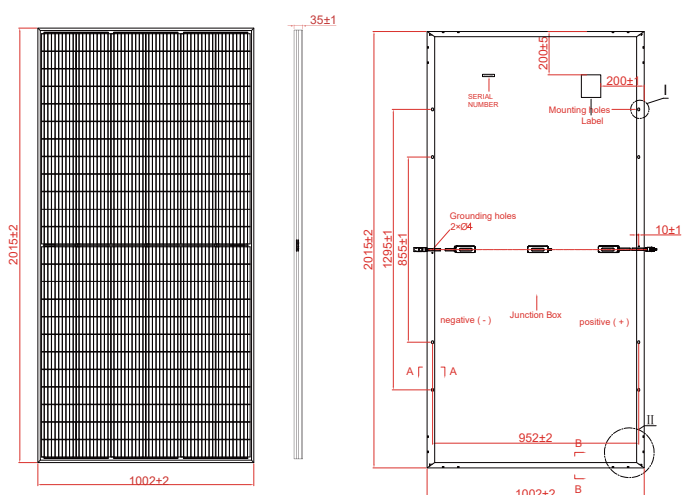
12 Year Product Warranty • 25 Year Linear Power Warranty

- ISO9001:2015 certified factory
- UL1703 certified product

Quality is our life



Engineering Drawings



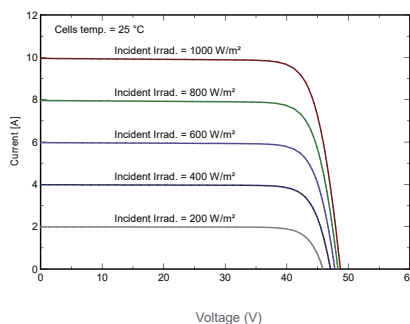
Packaging Configuration

(Two pallets =One stack)

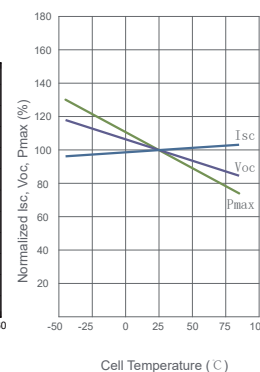
31pcs/pallet , 62pcs/stack, 868pcs/53FT Truck

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves (410W)



Temperature Dependence of I_{sc} , V_{oc} , P_{max}



Mechanical Characteristics

Cell Type	Mono PERC 158.75×79.375mm
No.of Half-cells	144 (6×24)
Dimensions	2015×1002×35mm (79.33×39.45×1.37 inch)
Weight	22.0 kg (48.5 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1x4.0mm ² , (+) 290mm, (-) 145mm or Customized Length

SPECIFICATIONS

Module Type	SE-158*79-405M-144N	SE-158*79-410M-144N	SE-158*79-415M-144N
	STC	STC	STC
Maximum Power (Pmax)	405W	410W	415W
Maximum Power Voltage (Vmp)	41.9	42.1	42.3
Maximum Power Current (Imp)	9.67	9.7	9.82
Open-circuit Voltage (Voc)	49.4	49.6	49.8
Short-circuit Current (Isc)	10.15	10.23	10.3
Module Efficiency STC (%)	20.06%	20.31%	20.55%
Operating Temperature (°C)	-40°C~-+85°C		
Maximum System Voltage	1500VDC (IEC)		
Maximum Series Fuse Rating	20A		
Power Tolerance	0~+3%		
Temperature Coefficients of Pmax	-0.35%/°C		
Temperature Coefficients of Voc	-0.29%/°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

* Power measurement tolerance: $\pm 3\%$