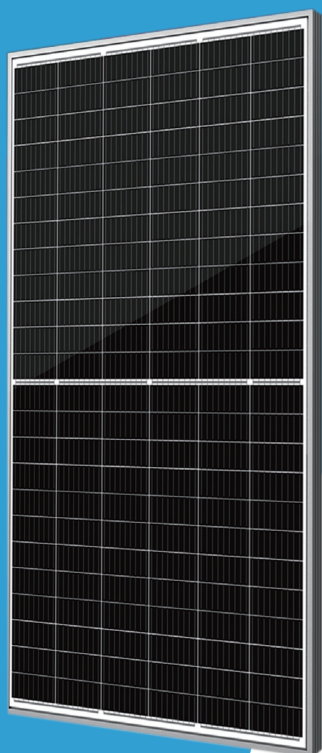


# Module HC 144

## 450-460 Watt

Positive power tolerance of 0~+3%

HALF CELL - MONO PERC 144 CELL



### KEY FEATURES



#### Multi Busbar Solar Cell

Multi 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).



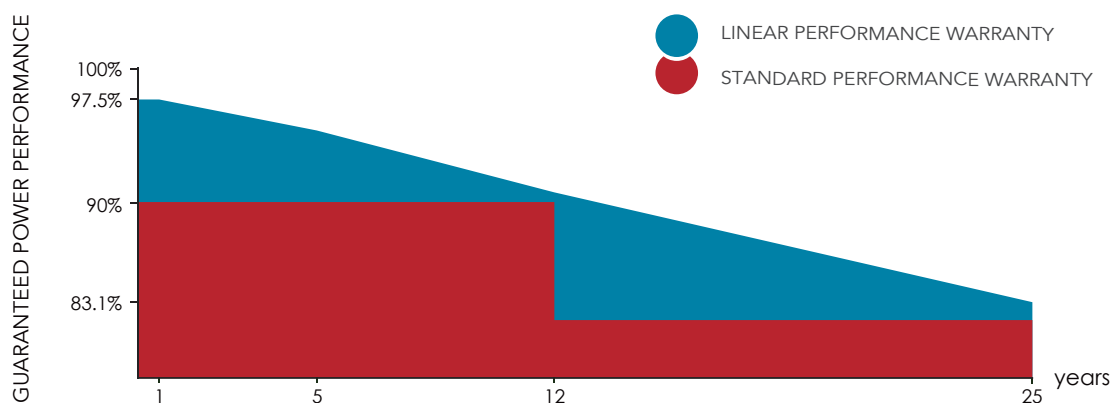
#### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

### LINEAR PERFORMANCE WARRANTY

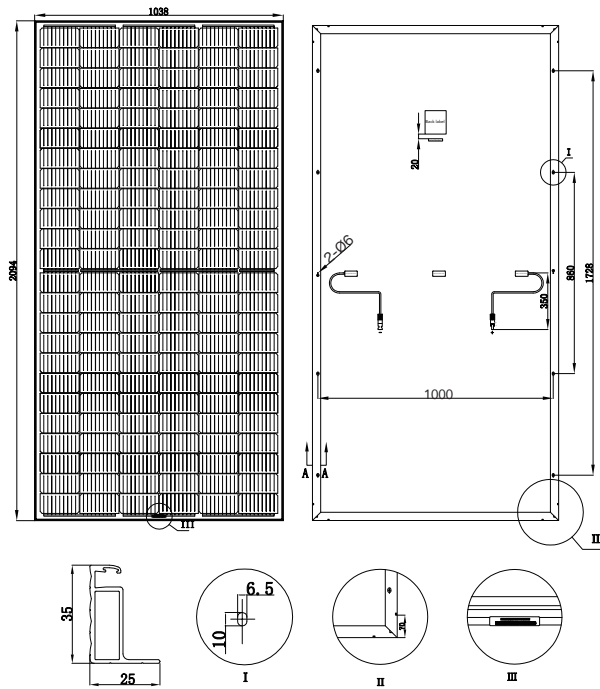
12 Year Product Warranty

25 Year Linear Power Warranty



ISO9001:2015 certified factory

UL61730 certified product



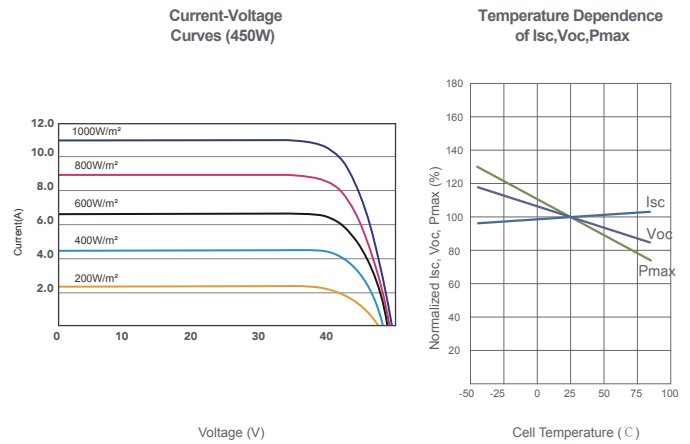
## PACKAGING CONFIGURATION

(Two pallets = One stack)

31pcs/pallet, 62pcs/stack, 775pcs/53FT Truck

## SPECIFICATIONS

Module Type	SE 166*83-450M-144	SE 166*83-455M-144	SE 166*83-460M-144
	STC	STC	STC
Maximum Power (Pmax)	450W	455W	460W
Maximum Power Voltage (Vmp)	41.32	41.51	41.7
Maximum Power Current (Imp)	10.89	10.96	11.03
Open-circuit Voltage (Voc)	49.05	49.35	49.62
Short-circuit Current (Isc)	11.37	11.41	11.51
Module Efficiency STC (%)	20.7%	20.9%	21.2%
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		



## MECHANICAL CHARACTERISTICS

Cell Type	Mono PERC 166×83mm
No. of Half-cells	144 (6×24)
Dimensions	2094×1038×35mm (82.44×40.86×1.37 inch)
Weight	23.5 kg (51.8 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated, connector compatible with MC4
Output Cables	TÜV 1x4.0mm², 450/1200mm or Customized Length
Fire Rating	UL: Type 1, IEC: Class C
Maximum static load	5400Pa (front side), 2400Pa (back side)

**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: ± 3%

**Contact us!**

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