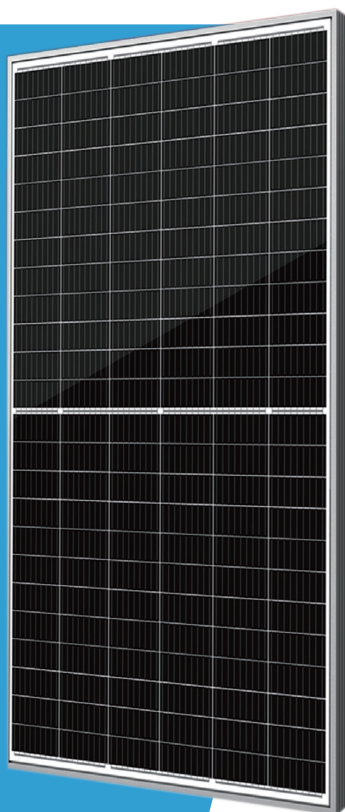


Module HC 144

535-545 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).



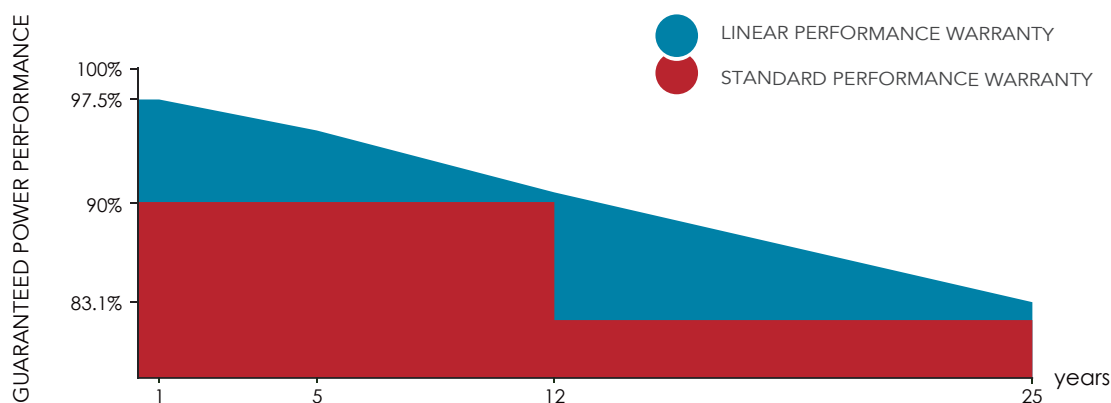
Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance.

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty

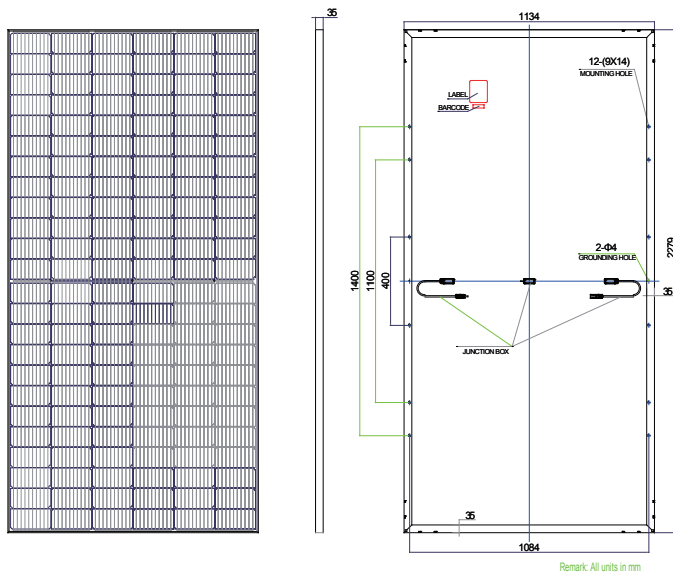
25 Year Linear Power Warranty



ISO9001:2015 certified factory

UL61730 certified product

ENGINEERING DRAWINGS



PACKAGING CONFIGURATION

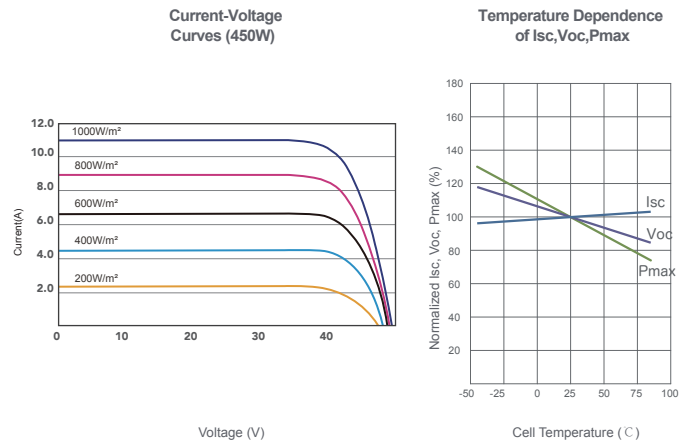
(Two pallets =One stack)

31pcs/pallet , 62pcs/stack, 682pcs/53FT Truck

SPECIFICATIONS

Module Type	SE-182*91-535M-144		SE-182*91-540M-144		SE-182*91-545M-144	
	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	535W	402W	540W	406W	545W	409W
Maximum Power Voltage (Vmp)	41.29	38.59	41.55	38.74	41.77	38.89
Maximum Power Current (Imp)	12.96	10.41	13.00	10.47	13.05	10.53
Open-circuit Voltage (Voc)	49.4	46.41	49.5	46.55	49.61	46.69
Short-circuit Current (Isc)	13.7	11.12	13.81	11.18	13.93	11.23
Module Efficiency STC (%)	20.7%		20.89%		21.09%	
Operating Temperature (°C)			-40°C ~ +85°C			
Maximum System Voltage			1500VDC (IEC)			
Maximum Series Fuse Rating			25A			
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			

ENGINEERING DRAWINGS



MECHANICAL CHARACTERISTICS

Cell Type	Mono PERC 182×91mm
No. of Half-cells	144 (6×24)
Dimensions	2279×1134×35mm (89.72×44.64×1.37 inch)
Weight	28.6 kg (63.0 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TÜV 1x4.0mm (+) 450mm, (-) 1200mm or Customized Length

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%

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