

KEY FEATURES



Module efficiency up to 21.33%

Highest power brings lowest kilowatt-hour cost, highest lifetime generating capacity, simultaneously lowest annual power attenuation.



PID Resistant

Excellent PID resistance test, and also can be improved to meet highest standards for the particularly harsh environment.



Low-Light Performance

Excellent power generation performance under low-light conditions with MBB technology.



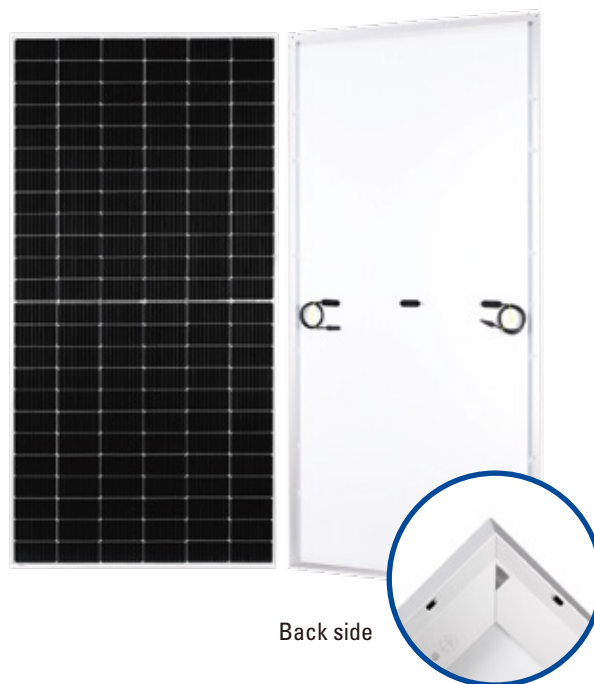
Anti-Crack

Excellent anti-microcracking performance with more balanced interior stress



Strength and Durability

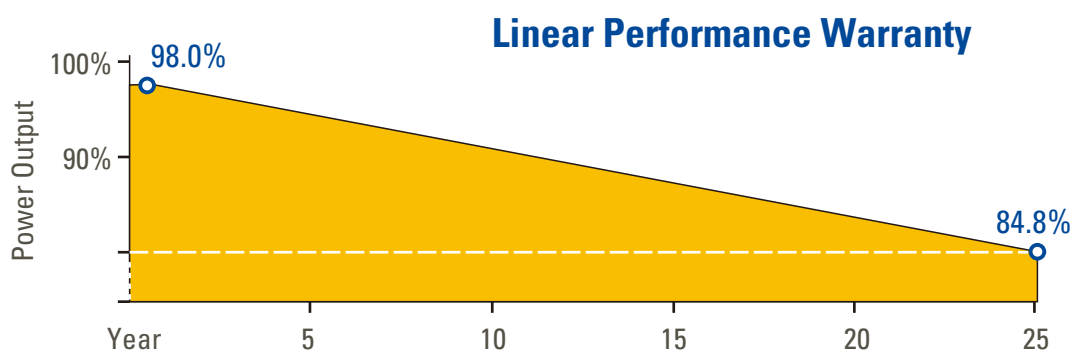
Certified for 5400Pa snow and 2400Pa loads test.



Back side

12+ Material & Workmanship warranty

25+ Linear power output warranty

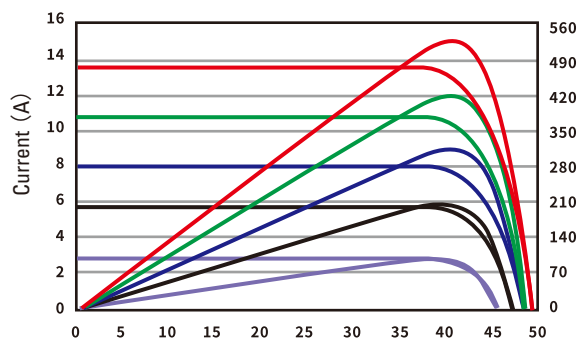


Electrical Parameters At Stc & Noct			
Module Type		M550	
		STC	NOCT
Rated Maximum Power	P _{MAX} (W)	550	409
Maximum Power Voltage	V _{MP} (V)	40.9	38.42
Maximum Power Current	I _{MP} (A)	13.45	10.62
Open Circuit Voltage	V _{OC} (V)	49.62	46.84
Short Circuit Current	I _{SC} (A)	14.03	11.33
Module Efficiency	%	21.33	

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5

NOCT: Irradiance 800 W/m² ambient temperature 20°C wind speed: 1 m/s

Current Voltage And Power Voltage Curve (550W)



Mechanical Parameters	
Cell Dimensions	182mm
Cell Quantity	144
Weight	27.4kg
Module Dimensions	2279mm × 1133mm × 35mm
Cable	4.0mm ² positive pole: 240mm negative pole: 120mm, wire length can be customized
Front Glass	3.2mm Anti-Reflection Coating High Transmission Low Iron Tempered Glass
Frame	Anodized aluminium alloy
Junction Box	IP68 Rated
Connector	MC4-EVO2
Packing	2296 mm × 1090 mm × 1253 mm, 884 kgs / box; 2316 mm × 1130 mm × 2526 mm, 1780 kgs / pallet.
Loading	1 × 40 HC, 20 boxes, 10 pallets, 31 pieces / box, 620 pieces in total

Operating Parameters	
Mechanical Load	Front side 5400 Pa / Rear side 2400 Pa
Power Tolerance	0 ~ +3W
Maximum System Voltage	1000 / 1500 VDC (IEC)
Nominal Operating Cell Temperature	45 ± 2 °C
Operating Temperature	-40 °C ~ +85 °C
Fuse Current	25A

Temperature Coefficient	
Temperature Coefficient Pmax	-0.35% / °C
Temperature Coefficient Voc	-0.28% / °C
Temperature Coefficient Isc	+0.048% / °C

Certificate	
IEC/EN 61215, IEC/EN 61730, IEC/EN 61215, IEC/EN 61730, IEC61701, IEC62716, IEC62804	

Isc, Voc, Pmax Temperature Curve

