

LSHE-M540 M5 Series

Monocrystalline PV Panel



MORE POWER



Module power up to 540 W
540 W Module efficiency up to 20.9 %



Up to 4.5 % lower LCOE
Up to 5.6 % lower system cost



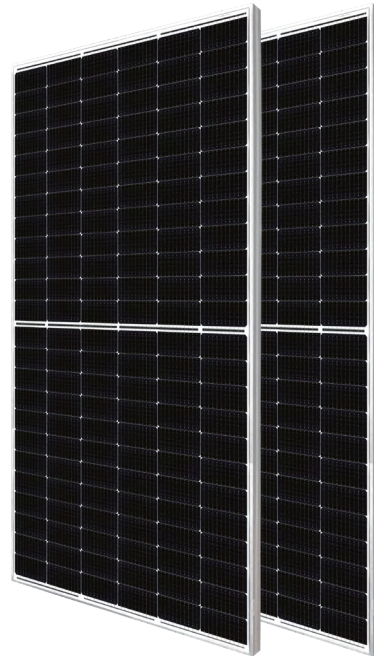
Comprehensive LID / LeTID mitigation technology, up to 50% lower degradation



Compatible with mainstream trackers, cost effective product for utility power plant



Better shading tolerance



MORE RELIABLE



Minimizes micro-crack impacts



Heavy snow load up to 5400 Pa, wind load up to 2400 Pa

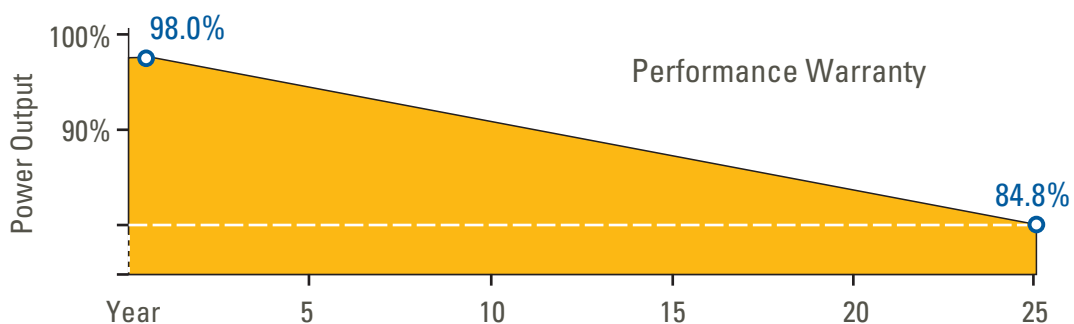


Enhanced Product Warranty on Materials and Workmanship



Linear Power Performance Warranty

1st year power degradation no more than 2%
Subsequent annual power degradation no more than 0.55%

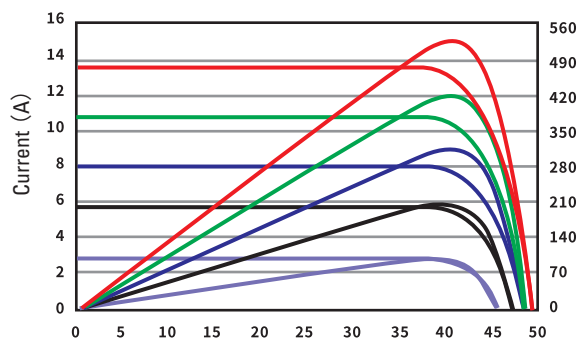


Electrical Parameters At Stc & Noct			
Module Type		M540	
		STC	NOCT
Rated Maximum Power	P _{MAX} (W)	540	402
Maximum Power Voltage	V _{MP} (V)	40.7	38.08
Maximum Power Current	I _{MP} (A)	13.27	10.55
Open Circuit Voltage	V _{OC} (V)	49.42	46.65
Short Circuit Current	I _{SC} (A)	13.85	11.19
Module Efficiency	%	20.91	

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 (540 W)



Mechanical Parameters	
Cell Dimensions	182 mm
Cell Quantity	144
Weight	29 kg
Module Dimensions	2279 mm × 1133 mm × 35 mm
Cable	4.0 mm ² positive pole: 410 mm negative pole: 290 mm, wire length can be customized
Front Glass	3.2 mm Anti-Reflection Coating High Transmission Low Iron Tempered Glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 Rated
Connector	MC4-EV02
Packing	2296 mm × 1090 mm × 1253 mm, 884 kgs/box; 2316 mm × 1130 mm × 2526 mm, 1780 kgs/pallet.
Loading	1 × 40HC, 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 ~ +3 W
Maximum System Voltage	1000/1500 VDC (IEC)
Nominal Operating Cell Temperature	45 ± 2 °C
Operating Temperature	-40 °C ~ +85 °C
Fuse Current	25 A
Temperature Coefficient	
Temperature Coefficient Pmax	-0.35% / °C
Temperature Coefficient Voc	-0.28% / °C
Temperature Coefficient Isc	+0.048% / °C

Isc, Voc, Pmax Temperature Curve

