

LSHE-M410 M4 Seires

Monocrystalline PV Panel



MBB Cell

New circuit design, lower internal current, lower internal resistance loss.



Higher Output Power

Module adopts 108 pcs of 182×182mm half cells, the maximum power can reach 415W.



Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV .



Low Light Features

Higher performance under low light environment.



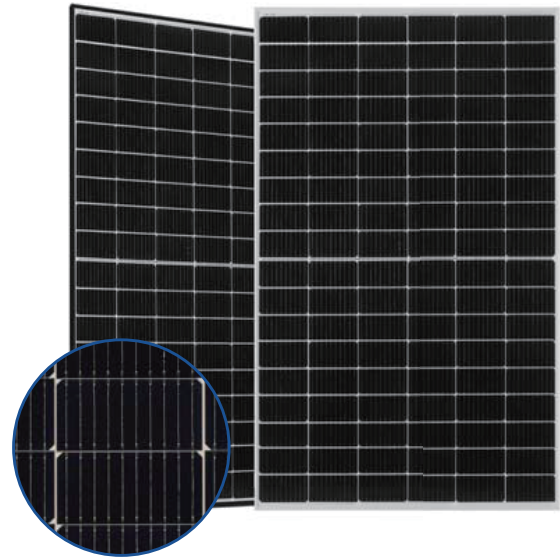
PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.



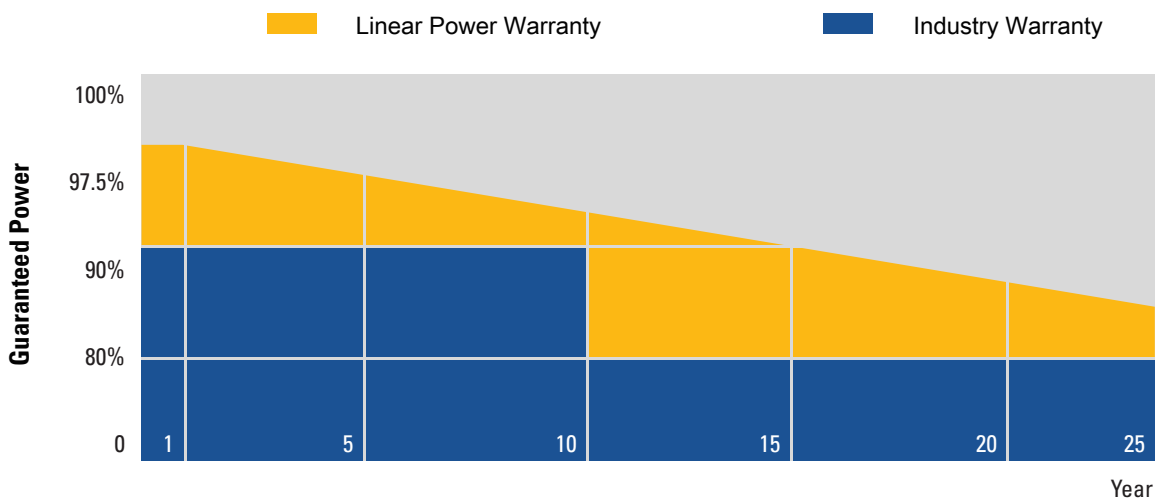
Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV .



12+ Material & Workmanship warranty

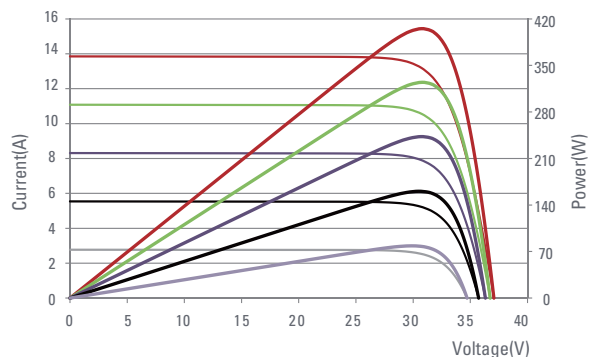
25+ Linear power output warranty



Electrical Parameters At Stc & Noct			
Module Type		M410	
		STC	NOCT
Rated Maximum Power	P_{MAX} (W)	410	302
Maximum Power Voltage	V_{MP} (V)	31.22	29.18
Maximum Power Current	I_{MP} (A)	13.06	10.35
Open Circuit Voltage	V_{OC} (V)	37.34	34.89
Short Circuit Current	I_{SC} (A)	13.70	10.80
Module Efficiency	%	20.97	15.45

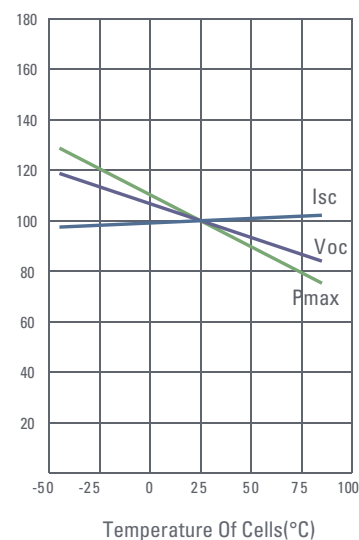
STC: Irradiance of 1000W/m², spectrum AM 1.5 and cell temperat of 25°C
 NOCT: Irradiance of 800W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1m/s

Current Voltage And Power Voltage Curve



Mechanical Parameters	
Cell Dimensions	182 mm × 182 mm
Cell Quantity	54 × 2 pcs
Weight	21.5 kg
Module Dimensions	1723 mm × 1134 mm × 35 mm
Cable	4 mm ² , Landscape: N 1100 mm / P 1100 mm Portrait: N 200 mm / P 300 mm
Front Glass	3.2mm Anti-Reflection Coating High Transmission Low Iron Tempered Glass
Frame	Aluminum Alloy
Junction Box	Ip68 Rated
Connector	Mc4 Compatible
Packing	1760 mm × 1122 mm × 1250 mm, 655 kgs / box; 1760 mm × 1122 mm × 2500 mm, 1322 kgs / pallet
Loading	1 × 40 HC, 26 boxes, 13 pallets, 31 pieces / box, 806 pieces in total

Isc, Voc, Pmax Temperature Curve



Operating Parameters	
Mechanical Load	2400 pa / 5400 pa
Power Tolerance	0 ~ +5W
Maximum System Voltage	1500V
Nominal Operating Cell Temperature	41 ± 3°C
Operating Temperature	-40°C ~ +85°C
Fuse Current	25A

Temperature Coefficient	
Temperature Coefficient Pmax	-0.36% / °C
Temperature Coefficient Voc	-0.28% / °C
Temperature Coefficient Isc	+0.05% / °C

