

# 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.



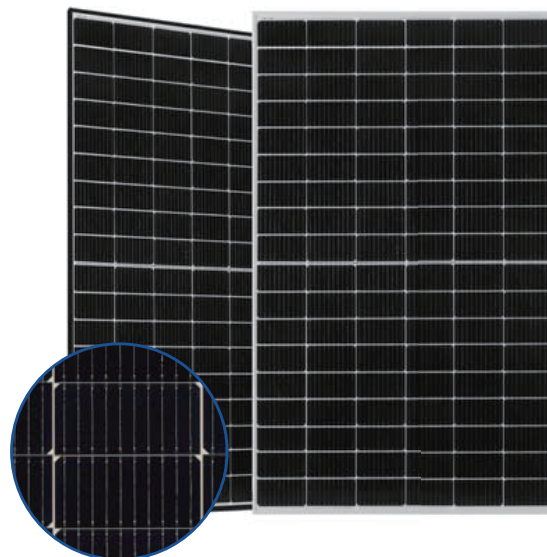
### PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized.



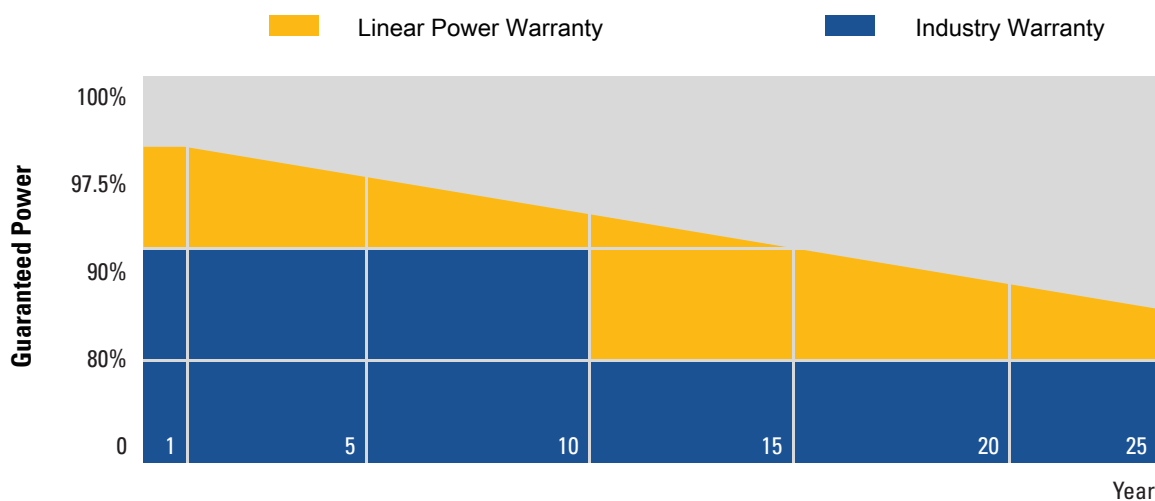
### Load Capacity

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



12+ Material & Workmanship warranty

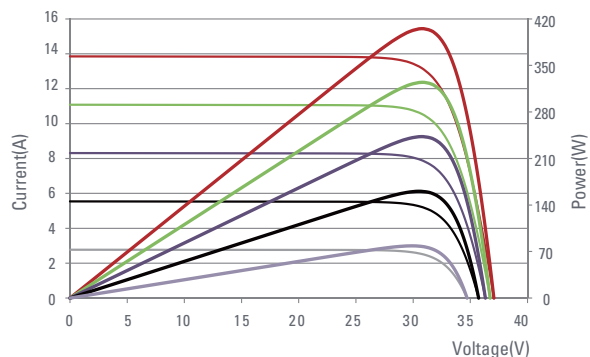
25+ Linear power output warranty



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/m<sup>2</sup>, spectrum AM 1.5 and cell temperat of 25°C  
 NOCT: Irradiance of 800W/m<sup>2</sup>, 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 <sup>2</sup> , 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
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

Isc, Voc, Pmax Temperature Curve

