

MONO PERC HALF CELL MODULE

SEMI+MBB

LNE6M120
590-605 WATT



HIGHER POWER DENSITY

- Output up to 605watt on 2.830M²
- Module efficiency high to 21.4%
- Gain more solar power per square meter



SEMI+MBB

- Semi design deduce working temperature of operation and minimize hot-spot risk
- MBB design deduce cover of busbars and improve current collection ability on windy days
- Improve the output/watt



ENHANCED MECHANICAL LOAD

- Wind load 2400 Pascal
- Snow load 5400 Pascal



APPLIED UNDER STRICT CONDITIONS

- Modules could be applied under ammonia, salt mist, high temperature, high humidity condition



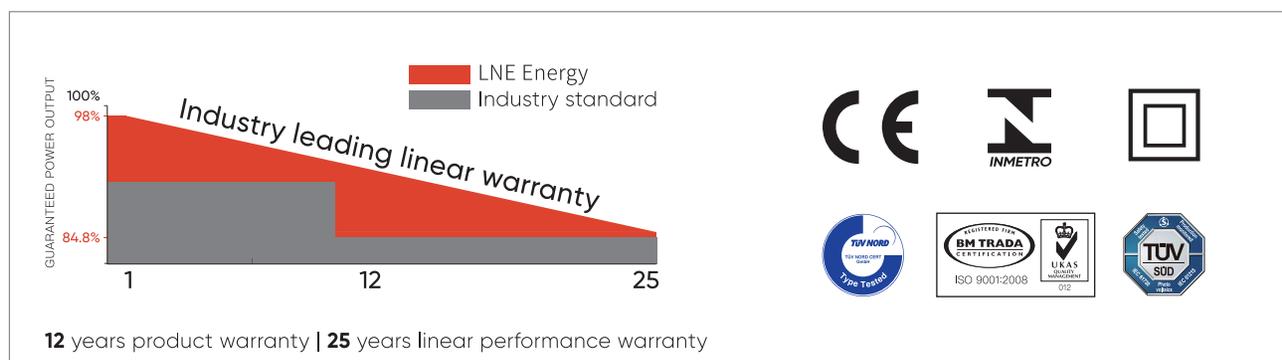
IP68

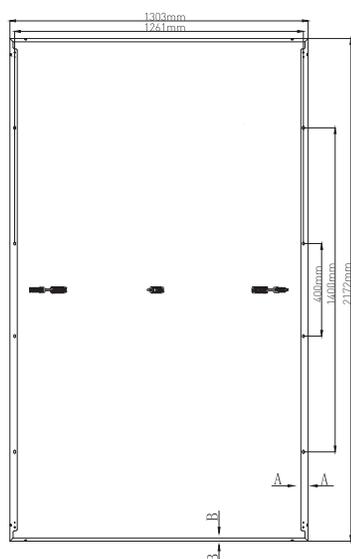
- IP68 junction boxes improve water-proof performance



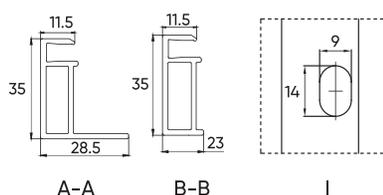
EXCELLENT FIRE-PROOF PERFORMANCE

- Modules have passed anti-fire test

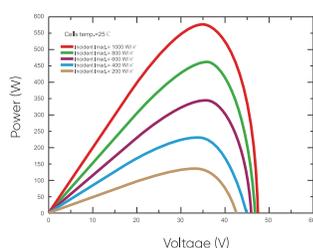
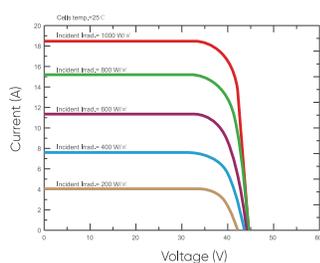




Back Overview



Current-Voltage & Power-Voltage Curves



ELECTRICAL DATA (STC)

Rated Power In Watts-Pmax (Wp)	590	595	600	605
Maximum Power Voltage-Vmpp (V)	34.23	34.43	34.63	34.83
Maximum Power Current-Impp (A)	17.24	17.29	17.33	17.37
Open Circuit Voltage-Voc (V)	41.32	41.52	41.72	41.92
Short Circuit Current-Isc (A)	18.25	18.30	18.35	18.40
Module Efficiency (%)	20.80%	21.00%	21.20%	21.40%

STC: Irradiation 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3.

ELECTRICAL DATA (NMOT)

Maximum Power-Pmax (Wp)	446	450	454	457
Maximum Power Voltage-Vmpp (V)	31.90	32.10	32.30	32.50
Maximum Power Current-Impp (A)	13.98	14.02	14.06	14.09
Open Circuit Voltage-Voc (V)	38.96	39.16	39.36	39.56
Short Circuit Current-Isc (A)	14.70	14.74	14.78	14.82

NOCT: 辐照度800W/m²,环境温度20°C,光谱AM1.5,风速1m/s

MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline, MBB
Cell Configuration	120 cells (6 x 10 x 2)
Module Dimensions	2172 x 1303 x 35 mm
Weight	31.0 kg
Glass	High Transmission, Low Iron, Tempered ARC Glass
Back Sheet	White Back-sheet
Frame	Anodized Aluminium Alloy, Silver
J-Box	IP68, 3 bypass diodes
Cables	4.0mm ² , (+) 380mm, (-) 380mm or customized length
Connector	MC4 Compatible

TEMPERATURE & MAXIMUM RATINGS

Nominal Module Operating Temperature (NMOT)	44±2°C
Temperature Coefficient of Voc	-0.27% / °C
Temperature Coefficient of Isc	0.048% / °C
Temperature Coefficient of Pmax	-0.35% / °C
Operational Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Max Series Fuse Rating	35A

PACKAGING

	40FT (HQ)
Number of Modules Per Container	558
Number of Modules Per Pallet	31
Number of Pallets Per Container	18