

BIFACIAL MONO TOPCON HALF CELL MODULE

SEMI+MBB

LNE6N132
685-700 WATT



HIGHER POWER DENSITY

- Output up to 700watt on 3.106M²
- Module efficiency high to 22.5%
- 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



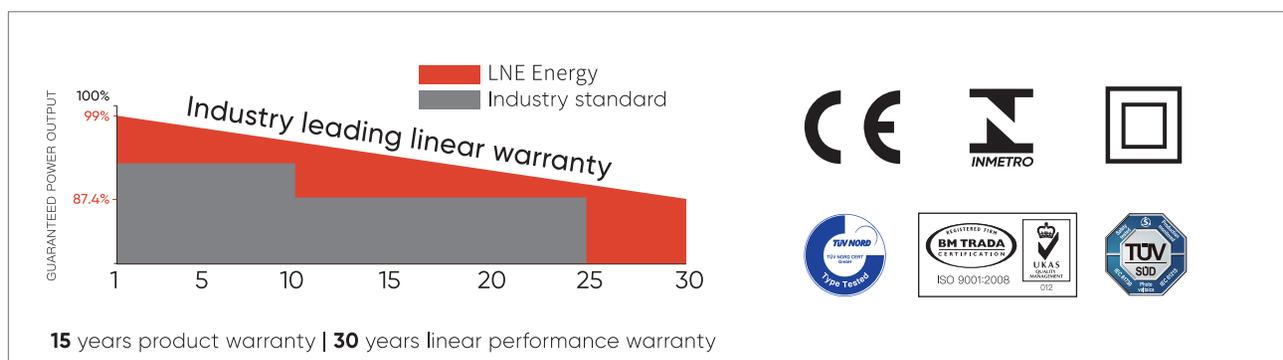
IP68

- IP68 junction boxes improve water-proof performance



EXCELLENT FIRE-PROOF PERFORMANCE

- Modules have passed anti-fire test



ELECTRICAL DATA (STC)

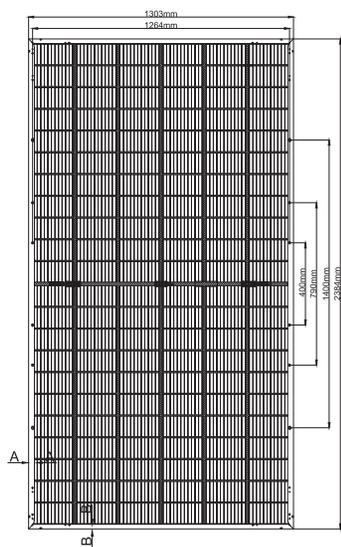
Rated Power In Watts-Pmax (Wp)	685	690	695	700
Maximum Power Voltage-Vmpp (V)	39.50	39.70	39.90	40.10
Maximum Power Current-Impp (A)	17.34	17.38	17.42	17.46
Open Circuit Voltage-Voc (V)	47.20	47.40	47.60	47.80
Short Circuit Current-Isc (A)	18.30	18.34	18.38	18.42
Module Efficiency (%)	22.10%	22.20%	22.40%	22.50%

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

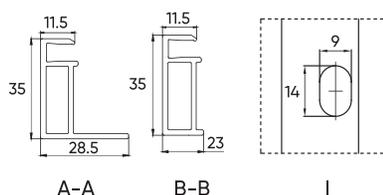
ELECTRICAL DATA (NMOT)

Maximum Power-Pmax (Wp)	519	523	527	531
Maximum Power Voltage-Vmpp (V)	37.20	37.40	37.60	37.80
Maximum Power Current-Impp (A)	13.96	13.99	14.02	14.05
Open Circuit Voltage-Voc (V)	44.70	44.90	45.10	45.30
Short Circuit Current-Isc (A)	14.78	14.82	14.86	14.90

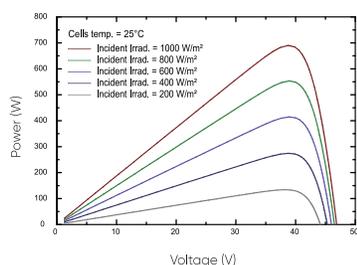
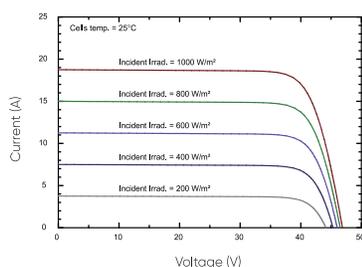
NOCT: Irradiation: 800 W/m², ambient temperature: 20°C, air mass: 1.5, wind speed 1 m/s



Back Overview



Current-Voltage & Power-Voltage Curves



Electrical Characteristics With Different Rear Side Power Again (Reference To 690w Front)

Pmax gain (%)	5%	10%	15%	20%	25%
Maximum Power (Pmax/W)	725	759	794	828	863
Maximum Power Voltage (Vmpp/V)	39.70	39.70	39.70	39.70	39.70
Maximum Power Current (Impp/A)	18.25	19.12	19.99	20.86	21.73

MECHANICAL CHARACTERISTICS

Solar Cells	Monocrystalline N-type, MBB
Cell Configuration	132 cells (6 x 11 x 2)
Module Dimensions	2384 x 1303 x 35 mm
Weight	38.7 kg
Glass	2.0mm Tempered ARC Glass
Back Sheet	2.0mm Glass
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	-0.25%/°C
Temperature Coefficient of Isc	0.045%/°C
Temperature Coefficient of Pmax	-0.30% / °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