

N-TOPCon

N-type Mono High Efficiency
Double Glass Bifacial PV Module

600-625W

POWER RANGE

625W

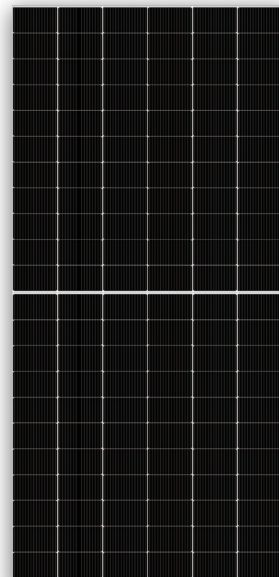
MAXIMUM POWER

23.1%

MODULE EFFICIENCY

0~+5W

POWER TOLERANCE



PERFORMANCE ADVANTAGES

DESIGNED FOR DEPENDABLE OUTPUT

● Excellent Power Output

Efficient cell technology and advanced manufacturing improve module power output.

● Temperature Coefficient

Strong outdoor generation performance across a wide operating temperature range.

● Ultra-multi-busbar

Improved light utilization and current collection support output and reliability.

● No LeTID / LID

N-type cell architecture delivers virtually no light-induced degradation loss.

● Irradiance Response

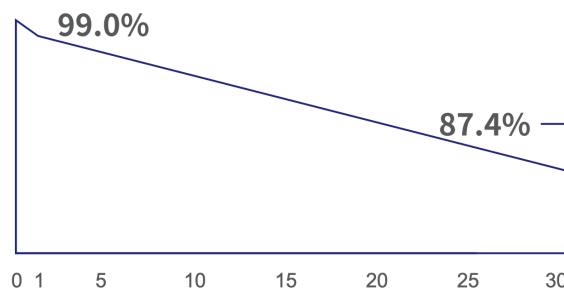
Reliable weak-light generation in early morning, evening and cloudy conditions.

● High Profitability

Lower BOS and energy costs support stronger long-term project returns.

LINEAR PERFORMANCE WARRANTY

POSN66BI / 30 YEARS



1.0%

1ST YEAR

0.4%

ANNUAL

15 YEAR

PRODUCT

30 YEAR

LINEAR

CERTIFICATION & ASSURANCE

VERIFIED SYSTEMS. LONG-TERM CONFIDENCE.



CERTIFIED SYSTEMS

IEC 61215:2016
IEC 61730:2016
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018

LONG-TERM ASSURANCE

15-year material and workmanship warranty

30-year linear power warranty

POSN66BI

Peak Power (Pmax/W)	600	605	610	615	620	625
MPP Voltage (Vmp/V)	40.54	40.66	40.78	40.92	41.06	41.20
MPP Current (Imp/A)	14.80	14.88	14.96	15.03	15.10	15.17
Open Circuit Voltage (Voc/V)	48.44	48.64	48.84	49.04	49.24	49.44
Short Circuit Current (Isc/A)	15.70	15.78	15.86	15.93	16.00	16.07
Module Efficiency (%)	22.2	22.4	22.6	22.8	23.0	23.1

*STC (Standard Test Conditions): Irradiance 1000 W/m², cell temperature 25°C, AM 1.5

REFERENCE CONDITIONS

Peak Power (Pmax/W)	456	460	464	468	472	475
MPP Voltage (Vmp/V)	38.19	38.36	38.51	38.68	38.85	38.97
MPP Current (Imp/A)	11.94	11.99	12.05	12.10	12.15	12.19
Open Circuit Voltage (Voc/V)	46.38	46.57	46.76	46.95	47.14	47.33
Short Circuit Current (Isc/A)	12.66	12.72	12.79	12.84	12.90	12.95

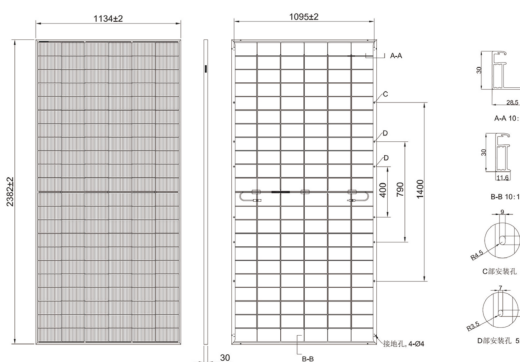
*NMOT (Nominal Module Operating Temperature Conditions): front 800W/m², ambient temperature 20°C, wind speed 1m/s. The test conditions take the front side as an example.

132 HALF-CELLS

Cell Type	n-type half cell
Number of Cells	132pcs(2*66)
Module Dimension	2382mm*1134mm*30mm
Weight	32.8kg
Front / Rear Glass	2.0mm/2.0mm
Frame	Anodized Aluminum Alloy
Junction Box	IP68
Output cables	+300mm / -200mm or Customized Length

ENGINEERING DRAWINGS

UNIT: MM



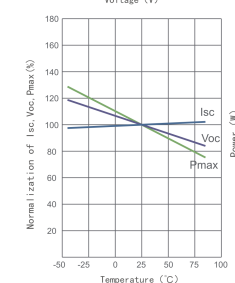
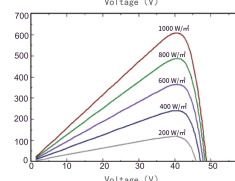
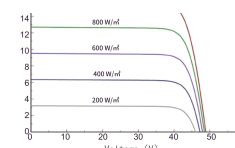
For specific dimensions and tolerance ranges, refer to the corresponding component drawings

CHARACTERISTIC CURVES

POSN66BI

Temperature coefficients of Pmax	-0.29% / °C
Temperature coefficients of Voc	-0.25% / °C
Temperature coefficients of Isc	+0.045% / °C
Nominal Module Operating Temperature	42±2 °C

Current and Voltage Curves under Different Irradiations



Current and Voltage Curves under Different Irradiations

Power and Voltage Curves under Different Irradiations

Temperature Curves of Isc, Voc, Pmax under Different Temperatures