

CHG ENSOL Efficient PV Module

N-TOPCon Technology

CHGMN66D2

N-type Mono High Efficiency
Double Glass Bifacial PV Module

600-625W

625W

Maximum
Power Output

23.1%

Maximum
Module Efficiency

0~+5W

Positive power
tolerance



Excellent Power Output

Adopting large-sized, highly efficient cell technology and leading manufacturing processes to effectively enhanced product power



Excellent Temperature Coefficient

The product has excellent temperature coefficient, outstanding outdoor power generation performance and longer lifespan



Ultra-multi-busbar Technology

Better light utilization and current collection capability, effectively improving product power output and reliability



No LeTID/LID

While achieving efficiency gains in N-type photovoltaic cells, virtually no LID loss



Excellent Irradiance Response

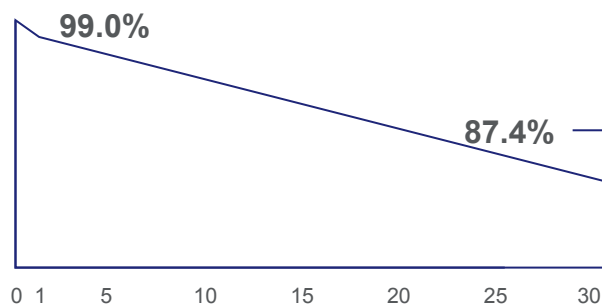
Superior weak-light power generation performance in environments such as early morning, evening, and cloudy conditions.



High Profitability

Effectively reducing the system's BOS costs, achieving lower cost of electricity, and increasing project return

CHGMN66D2 Linear performance warranty



IEC61215(2016), IEC61730(2016)

ISO14001: 2015 Environment Management System

ISO9001: 2015: Quality Management System

ISO45001: 2018: Occupational health and safety management systems

1.0%

1st year
degradation

0.4%

2-30th annual
degradation

15 Year

material and
workmanship
warranty

30 Year

linear
warranty

Electrical Properties | STC*

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

Mechanical Properties

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	TUV 1x4.0mm², +300mm/-200mm or Customized Length

Temperature Coefficient

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

Operating Properties

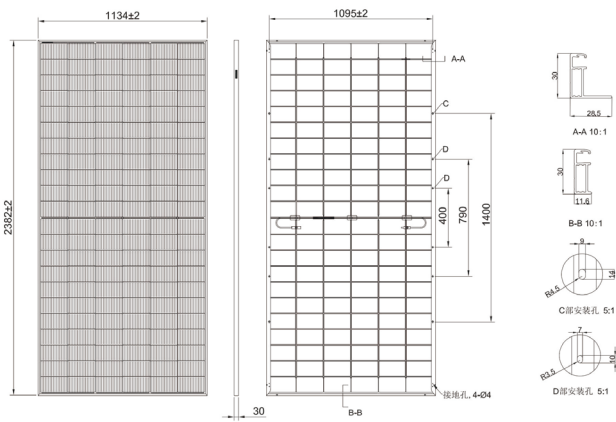
Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage (V)	1500V DC (IEC)
Maximum Series Fuse Rating (A)	35A
Power Tolerance	0~+5W
Bifaciality	80%±5%
Static load	Snow load 5400Pa, Wind load 2400Pa
Packaging Configuration	36pcs/pallet, 720pcs/13m flatcar 36pcs/pallet, 864pcs/17.5m flatcar

Electrical Properties | BNPI*

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.

Engineering Drawings (unit:mm)



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

Characteristic Curves: CHGMN66D2

