

IEC61215(2016), IEC61730(2016)  
 ISO14001: 2015 Environment Management System  
 ISO9001: 2015: Quality Management System  
 ISO45001: 2018: Occupational health and safety management systems

## CHG ENSOL Efficient PV Module

### N-TOPCon Technology

### CHGMN66D3

N-type Mono High Efficiency  
 Double Glass Bifacial PV Module

**715-740W**

**740W**

Maximum  
Power Output

**23.82%**

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



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)	715	720	725	730	735	740
MPP Voltage (Vmp/V)	41.04	41.17	41.29	41.41	41.53	41.64
MPP Current (Imp/A)	17.42	17.49	17.56	17.63	17.70	17.77
Open Circuit Voltage (Voc/V)	49.24	49.44	49.64	49.84	50.04	50.23
Short Circuit Current (Isc/A)	18.44	18.51	18.58	18.65	18.72	18.79
Module Efficiency (%)	23.02	23.18	23.34	23.50	23.66	23.82

\*STC (Standard Test Conditions): Irradiance 1000 W/m<sup>2</sup>, cell Temperature 25°C, AM 1.5

## Mechanical Properties

Cell Type	n-type half cell
Number of Cells	132pcs(2*66)
Module Dimension	2384mm*1303mm*33mm
Weight	37.7kg
Front / Rear Glass	2.0mm/2.0mm
Frame	Anodized Aluminum Alloy
Junction Box	IP68
Output cables	TUV 1x4.0mm <sup>2</sup> , +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

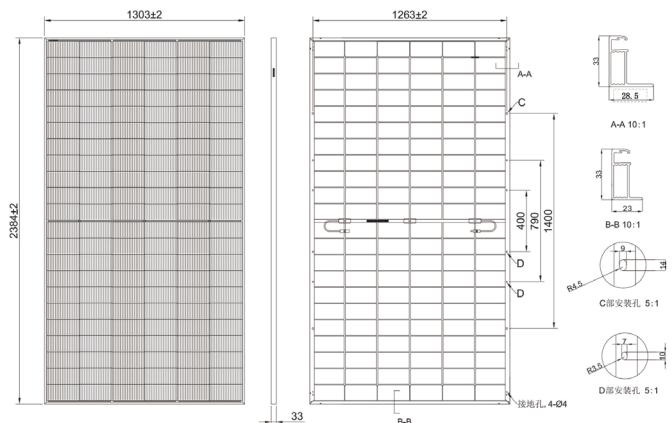
Operating Temperature (°C)	-40°C~+85°C
Maximum System Voltage (V)	1500V DC (IEC)
Maximum Series Fuse Rating (A)	35A
Power Tolerance	0~+5W
Bifaciality	80%±5%
Static load	Snow load 5400Pa, Wind load 2400Pa
Packaging Configuration	33pcs/pallet, 726pcs/17.5m flatcar

## Electrical Properties | BNPI\*

Peak Power (Pmax/W)	792	798	803	809	814	820
MPP Voltage (Vmp/V)	41.06	41.18	41.31	41.42	41.53	41.64
MPP Current (Imp/A)	19.29	19.38	19.44	19.53	19.60	19.69
Open Circuit Voltage (Voc/V)	49.26	49.46	49.66	49.86	50.06	50.26
Short Circuit Current (Isc/A)	20.43	20.51	20.59	20.66	20.74	23.80

\*Bifacial Test Conditions (BNPI): Front-side irradiance 1000W/m<sup>2</sup>, back-side irradiance 135W/m<sup>2</sup>, temperature 25°C, AM 1.5

## Engineering Drawings (unit: mm)



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

## Characteristic Curves: CHGMN66D3

