

SG-66TG5B-X

720-745W

Maximum Efficiency **24.0%**

**Smart Functions**

**Module-Level Monitoring**

iSolarCloud Storage & Data Visualization

**Smart Pathfinding**

Fault Localization & Precision Bypass

**System-Level Response**

Anomaly Detection & Shutdown Time  $\leq 25s$

**Digital Lifecycle Records**

Full Lifecycle Data Transparency

**Self-cleaning**

More Power Generation

**Product Warranty**

**15** Year

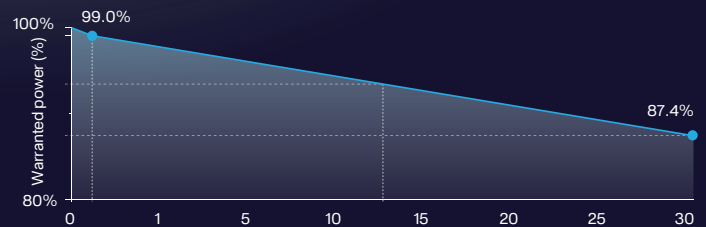
Warranty for Materials and Processing

**30** Year

Warranty for Extra Linear Power Output

First Year Power Degradation **<1%**

Year 2-30 Power Degradation **<0.4%**

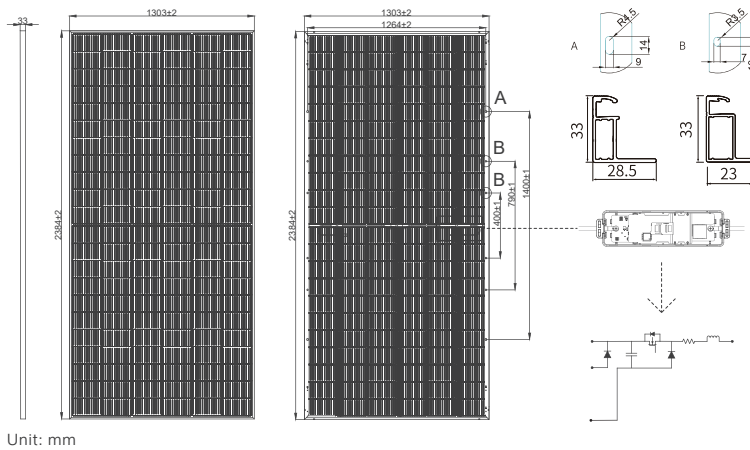


**Quality Certification**

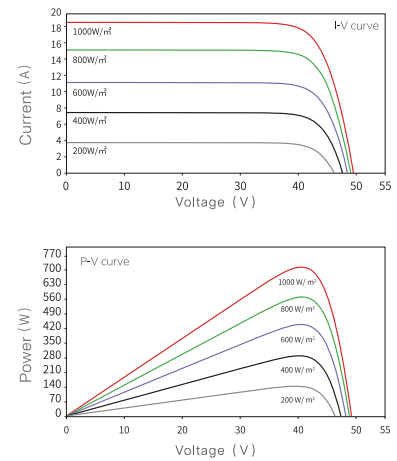


- IEC61215:2021 / IEC61730:2023
- IEC62109-3:2020
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems

## Engineering Drawings



## I-V and P-V Curves



## Specifications (STC)

Maximum Power Pmax (W)	720	725	730	735	740	745
Voltage at Maximum Power (Vmp/V)	40.89	41.01	41.13	41.25	41.37	41.49
Current at Maximum Power (Imp/A)	17.61	17.68	17.75	17.82	17.89	17.96
Open Circuit Voltage (Voc/V)	49.04	49.20	49.36	49.52	49.68	49.84
Short Circuit Current (Isc/A)	18.67	18.74	18.81	18.88	18.95	19.02
Module Efficiency (%)	23.2	23.3	23.5	23.7	23.8	24.0
Power Tolerance	0~+3%	Maximum System Voltage		DC1500V		
Maximum Series Fuse Rating	35A	Operating Temperature		-40°C~+70°C		
Bifacial Factor	80±5%					

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

## Specifications (BNPI)

Maximum Power Pmax (W)	792	798	803	809	814	820
Voltage at Maximum Power (Vmp/V)	40.89	41.01	41.13	41.25	41.37	41.49
Current at Maximum Power (Imp/A)	19.37	19.45	19.53	19.60	19.68	19.76
Open Circuit Voltage (Voc/V)	49.04	49.20	49.36	49.52	49.68	49.84
Short Circuit Current (Isc/A)	20.54	20.61	20.69	20.77	20.85	20.92

BNPI: Irradiance Front 1000W/m<sup>2</sup>, Rear 135W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

## Mechanical Characteristics

Cell Type	N-type mono-crystalline
Cell Orientation	132 (6×22)
Dimension	2384×1303×33mm
Weight	37.0kg
Front Glass	2.0mm, Anti-reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Frame	Anodized aluminum alloy
Junction Box	IP68 rated
Output Cables	4mm <sup>2</sup> , (+) : 1200mm, (-) : 1200mm or customize length
Connector Type	MC4-EVO2A/others
Mechanical Load	5400Pa (Front side) /2400Pa (Rear side)

## Temperature Characteristics

Temperature Coefficients of Pmax	-0.29%/°C
Temperature Coefficients of Voc	-0.25%/°C
Temperature Coefficients of Isc	0.045%/°C

## Packaging Configuration

Packing Detail	33 pcs/pallets, 594 pcs/ 40'HQ container
----------------	---

## RSD Parameters

Shutdown Output Voltage	1±0.1V
Output Bypass	Yes
Rapid Shutdown Time	≤25s
Maximum Input Voltage	60V
Maximum System Voltage	1500V
Communication Method	PLC
Maximum Communication Distance	≤450m