

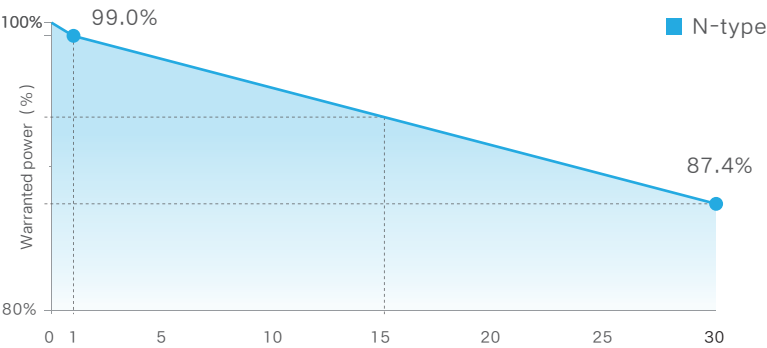
SG-66TG5B
705-730W

N-type TOPCon Solar Double Glass Bifacial Module
Maximum Efficiency 23.5%

Quality Certification



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%

Power warranty applies at STC condition or only applies to the front side of the module

Product Performance

Lower LCOE
Effectively reduce system BOS costs and shorten the return on investment cycle

Superior Low Irradiation Performance
Higher power output in the morning and evening, cloudy days, haze and other low-light scenarios

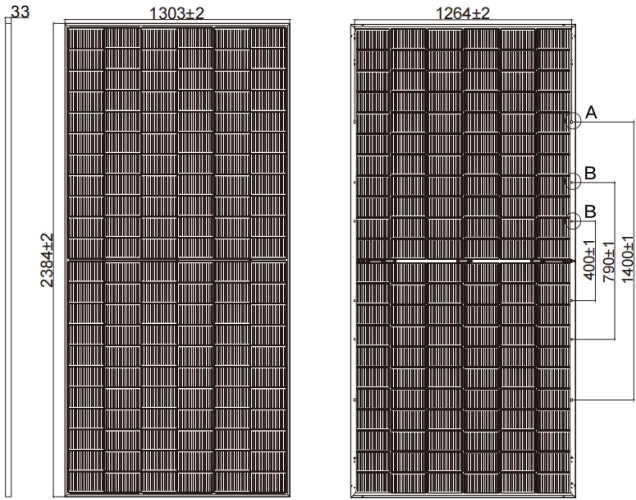
Higher Bifacial Factor
The rear power output and generation capacity are 20% and 3.5% higher than PERC, respectively

Non-destructive Laser Cutting Technology
Achieving better cell strength, lower micro-cracks risk for better product reliability

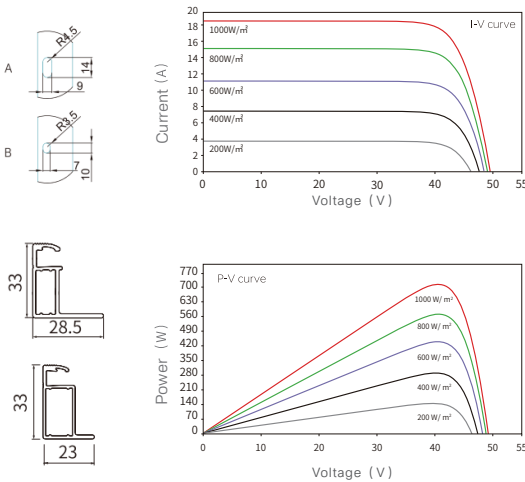
Superior Temperature Coefficient
Generating 1%-2% more power than P-type modules in high temperature regions

Superior Mechanical Load Capacity
Heavy snow load up to 5400 Pa
wind load up to 2400 Pa

Engineering Drawings



I-V and P-V Curves Temperature: (25 ± 2) °C



Electrical Characteristics

Module Type	SG-66TG5B-705	SG-66TG5B-710	SG-66TG5B-715	SG-66TG5B-720	SG-66TG5B-725	SG-66TG5B-730
Maximum Power Pmax(W)	705	710	715	720	725	730
Voltage at Maximum Power (Vmp/V)	40.53	40.65	40.77	40.89	41.01	41.13
Current at Maximum Power (Imp/A)	17.40	17.47	17.54	17.61	17.68	17.75
Open Circuit Voltage (Voc/V)	48.56	48.73	48.88	49.04	49.20	49.36
Short Circuit Current (Isc/A)	18.46	18.53	18.60	18.67	18.74	18.81
Module Efficiency (%)	22.7	22.9	23.0	23.2	23.3	23.5
Pmax/Voc/Isc Tolerance	±3%		Maximum System Voltage		DC1500V	
Maximum Series Fuse Rating	35A		Operating Temperature		-40°C~+70°C	
Fire Rating	Class C		Power Sorting Tolerance		0~+5W	

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Maximum Power Pmax (W)	776	781	787	792	798	803
Voltage at Maximum Power (Vmp/V)	40.53	40.65	40.77	40.89	41.01	41.13
Current at Maximum Power (Imp/A)	19.14	19.22	19.29	19.37	19.45	19.53
Open Circuit Voltage (Voc/V)	48.56	48.73	48.88	49.04	49.20	49.36
Short Circuit Current (Isc/A)	20.31	20.38	20.46	20.54	20.61	20.69
aBSI(A)	22.56	22.65	22.73	22.82	22.90	22.99
Pmax/Voc/Isc/aBSI Tolerance	±3%					
Bifaciality Coefficient	φVoc: 100±3 %, φIsc: 80±10 %, φPmax: 80±10 %					

BNPI: Irradiance Front 1000W/m², Rear 135W/m² Cell Temperature 25°C, AM=1.5
aBSI: Irradiance Front 1000W/m², Rear 300W/m² Cell Temperature 25°C, AM=1.5

Mechanical Characteristics

Cell Type	N- type mono-crystalline
Cell Orientation	132 (6 x 22)
Dimension	2384 x 1303 x 33mm
Weight	36.5kg
Glass	Dual glass, 2.0mm+2.0mm semi-tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68 rated
Output Cables	4mm², (+): 1200mm, (-): 1200mm or customized length
Connector Type	Z4S-abcd(Zerun)/PV-ZH202B(Zhonghuan)/PV-HT03x(x=0,1or 2)(Haitian)/QC4.10-cds(QC Solar)/PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy(Staubli)
Mechanical Load	+5400Pa (Front side) /-2400Pa (Rear side)

Temperature Characteristics

Temperature Coefficients of Pmax	-0.30%/°C
Temperature Coefficients of Voc	-0.25%/°C
Temperature Coefficients of Isc	0.046%/°C
Temperature Rating [T98]max	70°C

Packaging Configuration

Pallet Dimension	1325 x 1121 x 2496tmm
Packing Detail	33 pcs/pallets, 594 pcs/ 40'HQ container