

550-575

TOPCON

Bifacial

Half-Cut 16BB Module



**SMBB Technology**

Better light trapping and current collection to improve module power output and reliability.



**Higher Power Output**

Module power increases 5-25% generally, bringing significantly lower LCOE and higher IRR.



**PID Resistance**

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



**Enhanced Mechanical Load**

**Certified to withstand:**  
wind load (2400 Pascal)  
and snow load (5400 Pascal).



12  
Year

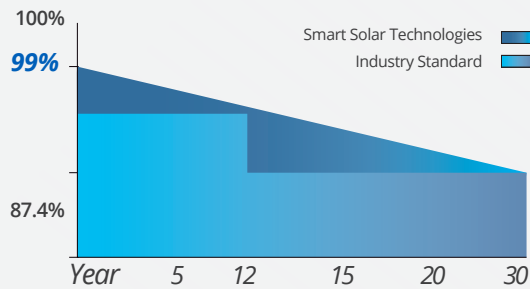
Product  
Warranty



30  
Year

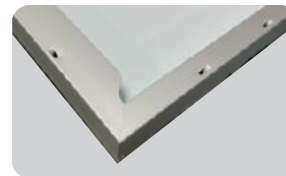
Linear  
Performance  
Warranty

Guaranteed Power



**JUNCTION BOX**

Waterproof protection grade:IP68  
Safety Level Class II  
Maximum System Voltage: 1500 V  
outstanding waterproof level  
Effectively resist harsh environments



**FRAME**

Strong machinical load  
resistance up to 5400Pa  
Anodic oxidation layer resistant to  
chemical corrosion available  
in silver and black

**ELECTRICAL TYPICAL VALUES**

Model	SS550M10GH-24/TH	SS555M10GH-24/TH	SS560M10GH-24/TH	SS565M10GH-24/TH	SS570M10GH-24/TH	SS575M10GH-24/TH
Testing Condition	STC	STC	STC	STC	STC	STC
Rated Power (Pmpp)	550	555	560	565	570	575
Rated Current (Imp)	13.26	13.33	13.41	13.48	13.55	13.62
Rated Voltage (Vmpp)	41.50	41.64	41.77	41.92	42.07	42.22
Short Circuit Current (Isc)	14.00±3%	14.07±3%	14.15±3%	14.23±3%	14.31±3%	14.39±3%
Open Circuit Voltage (Voc)	50.21±3%	50.34±3%	50.47±3%	50.60±3%	50.74±3%	50.88±3%
Module Efficiency (%)	21.29	21.48	21.68	21.87	22.07	22.26

STC: irradiance 1000W/m<sup>2</sup>, AM 1.5, and cell temperature of 25°C

BNPI: back irradiance 135W/m<sup>2</sup>, AM 1.5, and cell temperature of 25°C

**BIFACIALITY**

Rated Power (Pmax)	609	615	620	626	632	637
Rated Current (Imp)	14.69	14.77	14.86	14.94	15.01	15.09
Rated Voltage (Vmpp)	41.50	41.64	41.77	41.92	42.07	42.22
Short Circuit Current (Isc)	15.51±3%	15.59±3%	15.68±3%	15.77±3%	15.86±3%	15.94±3%
Open Circuit Voltage (Voc)	50.21±3%	50.34±3%	50.47±3%	50.60±3%	50.74±3%	50.88±3%

**TEMPERATURE RATINGS**

Tolerance	0~+3w
NOCT	45±2°C
Voltage Temperature Coefficient	-0.250%/°C
Current Temperature Coefficient	+0.046%/°C
Power Temperature Coefficient	-0.300%/°C

**PACKAGING CONFIGURATION**

Container	20' GP	40' HQ
Pieces/Container	185	740
Pallet/Container	5	20

**ABSOLUTE MAX RATING**

Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Front Side Maximum Static Loading	5400Pa
Rear Side Maximum Static Loading	2400Pa
Maksimum Series Fuse Rating	30A
Maksimum System Voltage	DC 1500V

**MECHANICAL CHARACTERISTICS**

Dimension (L x W x H)	Length: 2278mm Width: 1134mm Height: 30mm
Weight	32.20kg
Cell Type	182x91mm N Type Bifacial Mono
No. of Cells	144(12x12)
Front Glass	2.0mm AR coating tempered glass
Back Glass	2.0mm glazed glass
Frame	Anodized aluminium alloy
Cable	4mm <sup>2</sup> , cable 35cm (Including MC4 connector) *The requested cable length must be specified before the offer.
Junction Box	IP 68 Rated

**ELECTRICAL CHARACTERISTIC**

