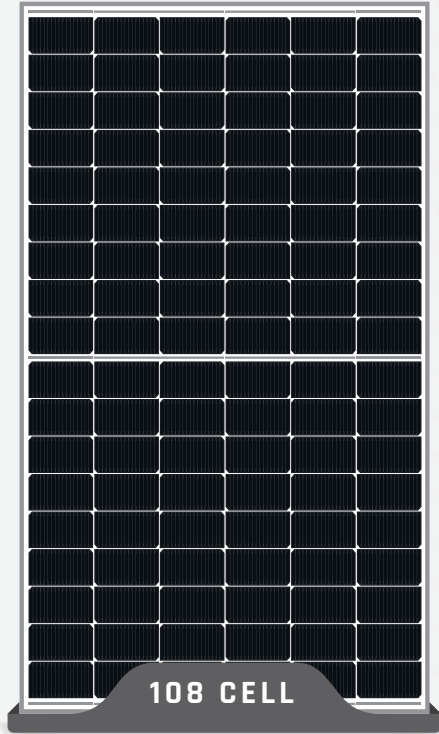


500-520W

Bifacial Module

N-Type-G12R-16BB

Product Characteristics

- Optimized cell size brings higher power and Lower transportation costs

Extraordinary Product Performance

- N-type with lower LID and LeTID
- Up to 30% additional power yield benefited from bifacial technology and over 80% cell bifaciality
- Competitive high-temperature performance with ameliorated temperature coefficient
- Better weak illumination response, higher power generation with N-type technology

High Quality Reliability

- Dual-glass desing

Wider Application Conditions

- Universal solution for residential and C&I rooftops
- BIPV , vertical installation , snowfield , high-humid area , windy anddusty area
- Easy for integration, designed for compatibility with existing mainstream inverters and diverse mounting systems

ELECTRICAL TYPICAL VALUES

Model	SS500L8GFH-18/VNH		SS505L8GFH-18/VNH		SS510L8GFH-18/VNH		SS515L8GFH-18/VNH		SS520L8GFH-18/VNH	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Powet (Pmpp)	500	380	505	384	510	388	515	392	520	395
Rated Current (Impp)	14,48	11,67	14,57	11,73	14,66	11,81	14,75	11,88	14,84	11,95
Rated Voltage (Vmpp)	34,54	33,07	34,67	33,19	34,79	33,32	34,92	33,44	35,05	33,57
Short Circuit Current (Isc)	15,54	12,52	15,63	12,60	15,72	12,67	15,81	12,74	15,90	12,81
Open Circuit Voltage (Voc)	39,74	38,07	39,90	38,21	40,06	38,37	40,23	38,52	40,39	38,68
Efficiency	22,49%		22,72%		22,94%		23,17%		23,40%	

BIFACIALITY

Maximum Power (Pmax)	551	556	562	567	573
Optimum Operating Current (Impp)	15,95	16,04	16,15	16,24	16,35
Optimum Operating Voltage (Vmpp)	34,54	34,67	34,79	34,92	35,05
Short Circuit Current (Isc)	17,09	17,19	17,29	17,39	17,49
Open Circuit Voltage (Voc)	39,74	39,90	40,06	40,23	40,39

TEMPERATURE RATINGS

Tolerance	%3
NOCT	42±2°C
Voltage Temperature Coefficient	-0.25%/°C
Current Temperature Coefficient	+0.04%/°C
Power Temperature Coefficient	-0.29%/°C
Bifaciality	80±10%

Standart Test Conditions (STC): Irradiance 1000W/m², AM 1.5, Cell Temperature 25°C
Nominal Operation Cell Temperature (NOCT): Irradiance 800W/m², Ambient Temperatur 20°C, Spectra at AM1.5, Wind 1m/s

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
PV Module Classification	II
Fire Rating (IEC61730)	C
Maksimum System Voltage	DC 1500V

MECHANICAL CHARACTERISTICS

Dimension (L × W × H)	Length: 1960mm Width: 1134mm Height: 30mm
Weight	26,8kg
Cell Type	Monocrystalline 105 x 182mm HC
Glass	2mm /2mm Heat Strengthened Glass
Frame	Anodized aluminium alloy
Cable	4mm² (IEC), (+): 350mm,(-): 250mm or Customized Length *The requested cable length must be specified before the offer.
Junction Box	IP 68 Rated

ELECTRICAL CHARACTERISTIC

