

TECHNICAL SPECIFICATIONS	MODEL NUMBER: NS280-6M	
Electrical Specifications:		
Maximum Power (Pmax)	280 W	
Optimum Power Voltage (Vmp)	36.94 V	
Optimum Operating Current (Imp)	7.58 A	
Open Circuit Voltage (Voc)	44.24 V	
Short Circuit Current (Isc)	8.11 A	
Maximum System Voltage	600 V	
Temperature Coefficient of Isc	0.04 %/C	
Temperature Coefficient of Voc	-0.38 %/C	
Temperature Coefficient of Pm	-0.47 %/C	
Temperature Coefficient of Im	0.04 %/C	
Temperature Coefficient of Vm	-0.38 %/C	
Power Tolerance	+/-3 %	
Watts per Area	144.33 W/m ²	13.41 W/ft ²
length	1960 mm	77.17 in
width	990 mm	38.98 in
height	46 mm	1.81 in
Front glass thickness	3.2 mm	0.13 in
Weight	22.4 kg	49.38 Lbs
Surface Maximum Load Capacity	2400 Pa	50.13 psf
Allowable Hail Load	23 m/s, 25 mm	52 mph, 1 in
Number of Internal Bypass Diodes	3	
Solar Cell Dimensions (mm)	156 mm x 156 mm	6.14 in x 6.14 in
Solar Cell Type	Monocrystalline	
Number of Solar Cells	72 (6 x 12)	
Cable Length (male/female)	900mm/900mm	35.43 in/35.43 in
Cable Size	12 AWG	
Connector Type	PV-GZX0601-1 made by GZX	
Ambient Operating temperature	-40 C to 85 C	-40 F to 185 F
Backsheet color	White	
Frame color	Silver	
Certification Agency	Intertek	
Standards tested to by certification Agency	UL1703	
Limited Warranty:		
Power output	90% : 10 years, 80%: 25 years	
Product	10 years	

NS280-6M FEATURES

- Specifically engineered to maintain optimal functionality in extreme climates
- Composed of highly efficient cells
- Ideal for integration into residential and commercial applications
- Backed with 25 year warranty (90%: 10 years, 80%: 25 years)
- For on-grid and off-grid systems

