

TECHNICAL SPECIFICATIONS		PHOTOVOLTAIC MODEL: 280	
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		
Operating Conditions:			
Ambient Operating temperature	-40 C to 85 C	-40 F to 185 F	
Aesthetics (280B):			
Backsheet color	Black		
Frame color	Black		
(280W):			
Backsheet color	White		
Frame color	Silver		
Certifications:			
Certification Agency	Intertek		
Standards tested to by certification Agency	UL1703		
Warranty:			
	90% : 10 years, 80%: 25		
Power output	years		
Workmanship	5 years		

