



Model TPB125x125-96-P

Electrical Characteristics		
Maximum Power (Pmax)	240W	Watt
Power Tolerance	±5	%
Maximum Power Voltage (Vmp)	47.2	Volt
Maximum Power Current (Imp)	5.08	Ampere
Open circuit Voltage (Voc)	59.0	Volt
Short circuit Current (Isc)	5.43	Ampere
Maximum System Voltage	750	Volt DC
Module Efficiency (η m)	14.1	%
Temp. coefficient Voc	-0.35±0.02	%/°C
Temp. coefficient Isc	+0.04±0.0015	%/°C
Temp. coefficient Power	-0.5±0.05	%/°C
Nominal operating cell temperature (NOCT)	47°C±2°C	°C

Mechanical Characteristics		
Dimensions	Lenght (mm)	1596 mm
	Width (mm)	1065 mm
	Depth (mm)	46 mm
Installation Dimensions	Lenght (mm)	1192 mm
	Width (mm)	994 mm
Weight(kg)	21.5 Kg	
Frame structure (Material, Corners)	Aluminium	
Front side	Glass	
Front glass thickness	3.2 mm	
Encapsulant	EVA	
Back side	TPT	
Junction Box	Sun-Earth	

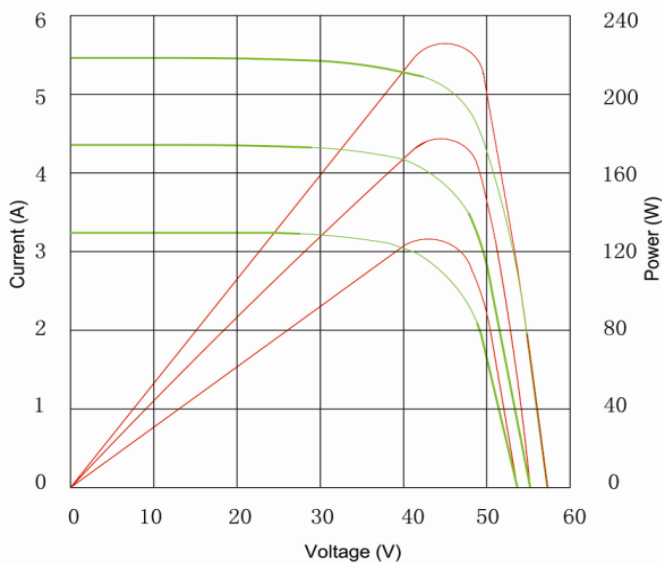
Cells		
Brand Name of Solar Cells	Sun-Earth	
Cell Type	Poly Crystalline Cell	
Cell Size	125*125	mm
Cell Shape	Quasi Square	
Number Cells	96	in series
Encapsulated Solar Cells Efficiency (η c)	16.2	%

Packing/ Transport Information		
Packing configuration	10 pcs per carton	
Size of Carton	1620*550*1100	mm
Weight of Carton	10 Kg	
Cartons per 40' container	56(x 10pcs)	cartons (x modules)

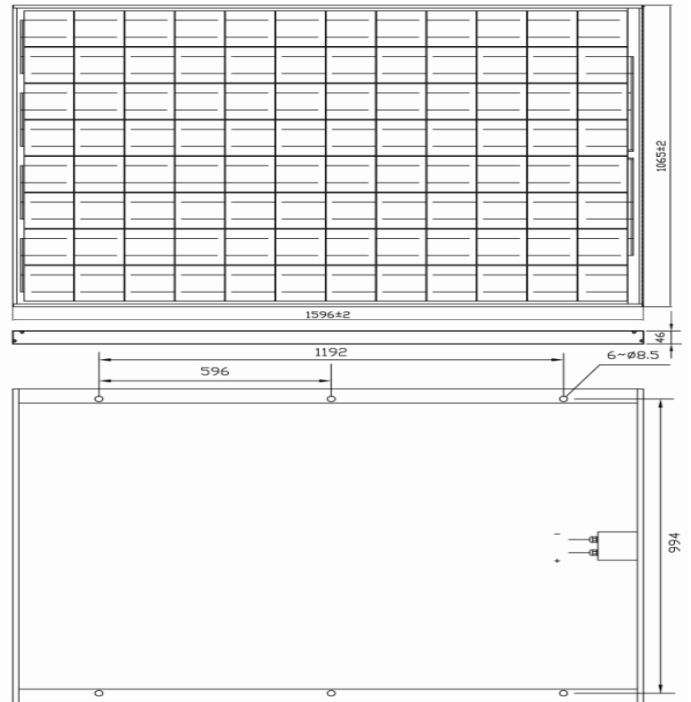
Standard Test Conditions	
AM	1.5
Irradiation	1000 W/m2
Tc	25 °C

Absolute Maximum Ratings		
Operating Temperature	-40°C ~ +90°C	°C
Storage Temperature	-40°C ~ +90°C	°C
Dielectric Isolation Voltage	1000	VDC max 1000V
Maximum Wind Resistance	60m/s	N/m2 or max Km/h
Maximum Load Capacity	200 Kg/m2	
Maximum Hail diameter @ 80Km/h	25mm	@ 80Km/h

Current-Voltage Curves



Module Drawing with measures



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