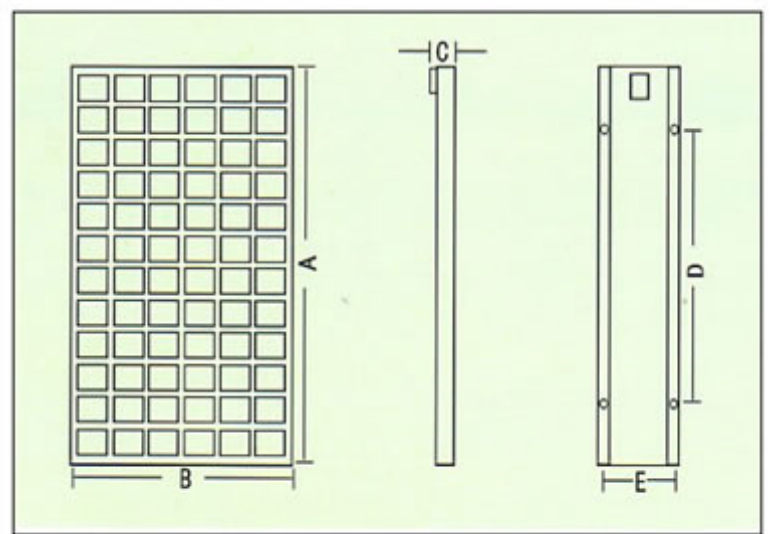
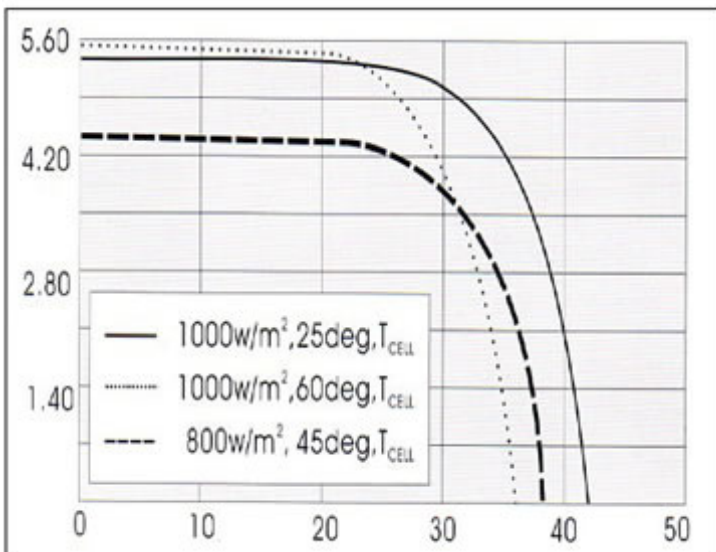


Electrical Characteristics			Mechanical Characteristics		
Maximum Power (Pmax)	170W	Watt	Dimensions	Lenght (mm)	1580 mm
Power Tolerance	±5	%		Width (mm)	808 mm
Maximum Power Voltage (Vmp)	35.0	Volt		Depth (mm)	46 mm
Maximum Power Current (Imp)	4.86	Ampere	Installation Dimensions	Lenght (mm)	1176 mm
Open circuit Voltage (Voc)	44.0	Volt		Width (mm)	737 mm
Short circuit Current (Isc)	5.36	Ampere	Weight(kg)	16 Kg	
Maximum System Voltage	600V(U.S. & IEC 61215 rating) 750V (TüV Rheinland rating)		Frame structure (Material, Corners)	Aluminium	
Module Efficiency (η m)	13.3	%	Front side	Glass	
Temp. coefficient Voc	-0.35±0.02	%/°C	Front glass thickness	3.2 mm	
Temp. coefficient Isc	+0.04±0.0015	%/°C	Encapsulant	EVA	
Temp. coefficient Power	-0.5±0.05	%/°C	Back side	TPT	
Nominal operating cell temperature (NOCT)	47°C±2°C	°C	Junction Box	Sun-Earth	

Cells			Packing/ Transport Information		
Brand Name of Solar Cells	Sun-Earth		Packing configuration	10 pcs per carton	
Cell Type	Single Crystal Cell		Size of Carton	1630*550*900 mm	
Cell Size	125*125	mm	Weight of Carton	9 Kg	
Cell Shape	Quasi Square		Cartons per 20' container	24(x 10pcs)	cartons (x modules)
Number Cells	72	in series	Cartons per 40' container	56(x 10pcs)	cartons (x modules)
Encapsulated Solar Cells Efficiency (η c)	15.9	%	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

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

Current-Voltage Curves	Module Drawing with measures
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A: 1580MM B: 808MM C:46MM D:1176±2MM E: 737±2MM