

Model TPB125×125-72-P

Electrical Characteristics		
Maximum Power (Pmax)	175W	Watt
Power Tolerance	±5	%
Maximum Power Voltage (Vmp)	35.4	Volt
Maximum Power Current (Imp)	4.95	Ampere
Open circuit Voltage (Voc)	43.8	Volt
Short circuit Current (Isc)	5.26	Ampere
Maximum System Voltage	750	Volt DC
Module Efficiency (η_m)	13.7	%
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	Length (mm)	5	ft.
	Width (mm)	3	ft.
	Depth (mm)	2	in.
Installation Dimensions	Length (mm)	4	ft.
	Width (mm)	2.5	ft.
Weight(kg)		16	Kg
Frame structure (Material, Corners)	Aluminium		
Front side	Glass		
Front glass thickness		3.2	mm
Encapsulant	EVA		
Back side	TPT		
Junction Box	Ningbo		

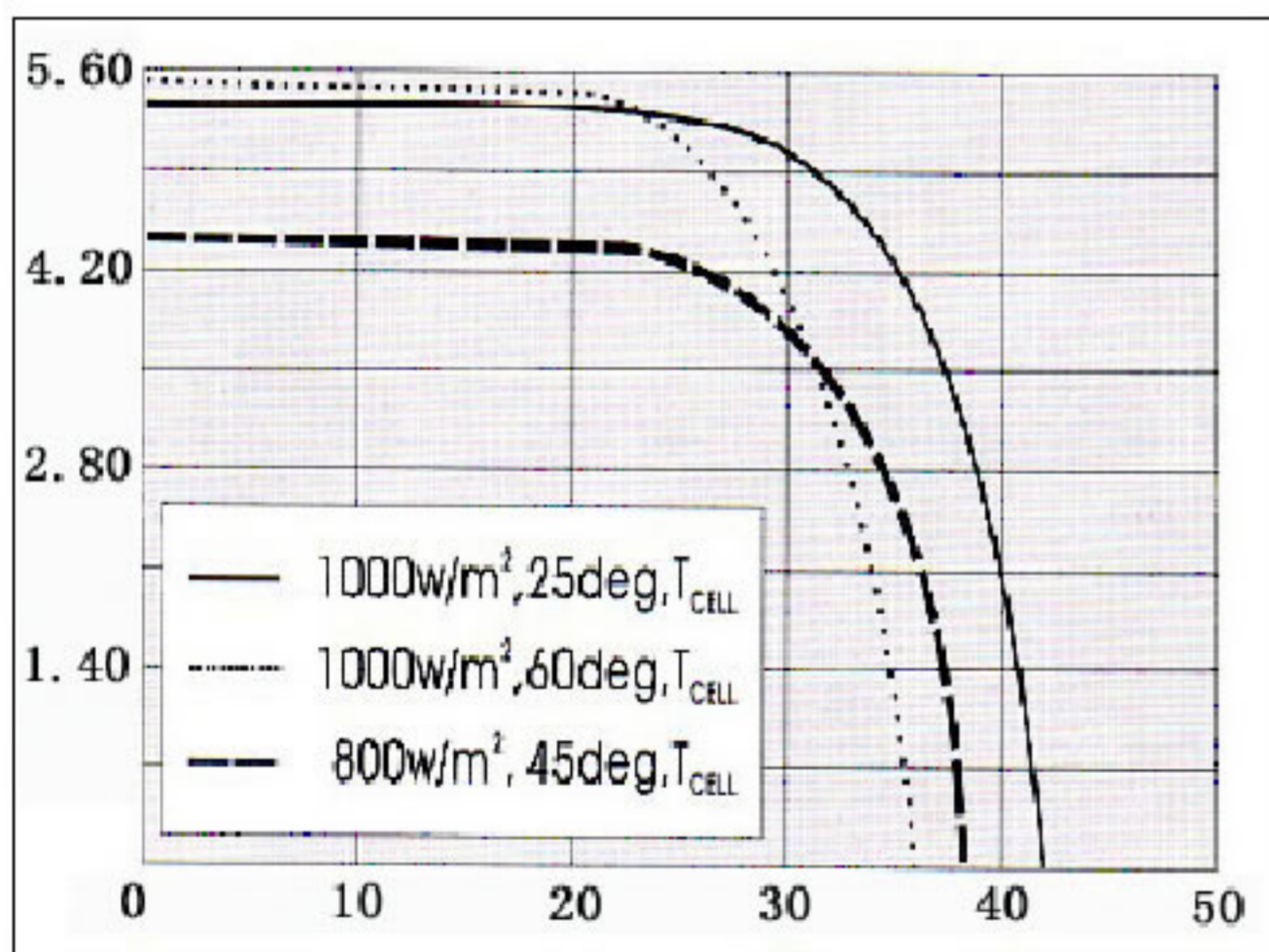
Cells		
Brand Name of Solar Cells	Ningbo	
Cell 9 Kg	Mono Crystalline Cell	
Cell Size	5x5	in
Cell Shape	Quasi Square	
Number Cells	72	in series
Encapsulated Solar Cells Efficiency (η_c)	15.6	%

Packing/ Transport Information		
Packing configuration	10	pcs per carton
Size of Carton	5.5 X 2 X 3	ft.
Weight of Carton		
Cartons per 20' container	24(x 10pcs)	cartons (x modules)
Cartons per 40' container	56(x 10pcs)	cartons (x modules)

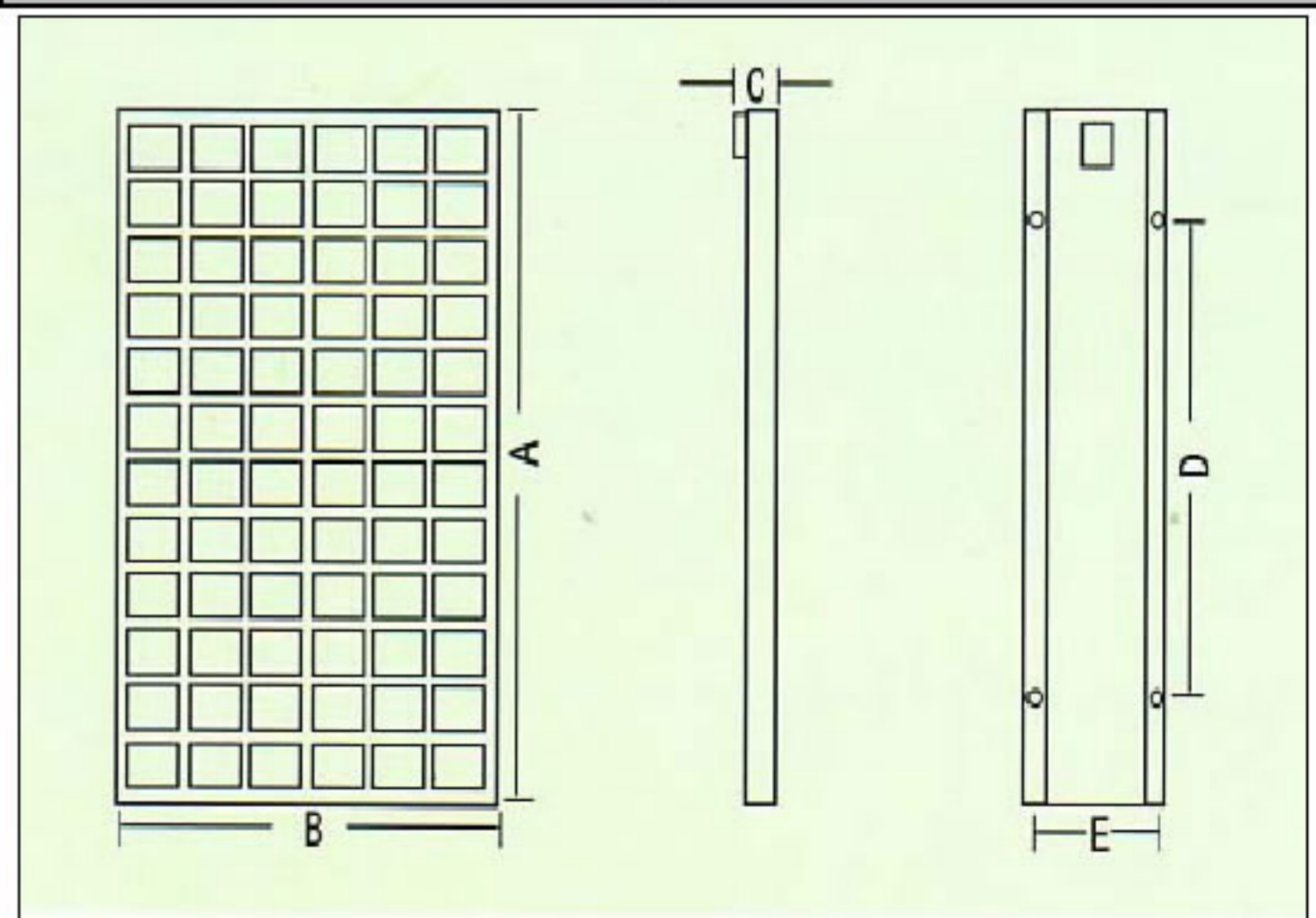
Standard Test Conditions	
AM	1.5
Irradiation	1000 W/m ²
Tc	25 °C

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/m ² or max Km/h
Maximum Load Capacity	200	Kg/m ²
Maximum Hail diameter @ 80Km/h	1 in.	@ 80Km/h

Current-Voltage Curves



Module Drawing with measures



A: 1580MM B: 808MM C:46MM D:1176±2MM E : 737±2MM

NINGBO SOLAR ELECTRIC POWER CO., LTD
 ADD: No.211 Xingguang Road, High-Tech Zone, Ningbo 315040, China
 TEL: +86-574-87121761, 87915161
 FAX: +86-574-87131333
 WEB: www.nbsolar.com
 E-MAIL: rd@nbsolar.com