

Technical Specifications



Specifications	ECE072P325
Power (Pm) in Watts (nominal)	325
Open Circuit Voltage (Voc) in Volts	45.79
Short Circuit Current (Isc) in Amps	8.8
Voltage at Max Power (Vmp) in Volts	39.24
Current at Max Power (Imp) in Amps	8.3
Cell Efficiency (%)	18.6
Module Fill Factor (%)	80.01
Module Efficiency (%)	16.83
Maximum System Voltage (Vdc)	1500
Solar Cells per Module (Units) & Module Matrix	72 & 12*6
No. of Cells per bypass Diode	24
Diode used detail	20A 45V
Max Series Fuse Rating in Amps	20

*All electrical parameters specified at STC: 25°C cell temperature; 1000W/M² irradiance; AM 1.5

Temp. Coefficient Tc

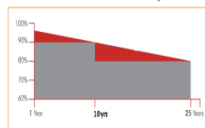
Tc of Open Circuit Voltage (β)	-0.31%/°C ± 0.02
Tc of Short Circuit Voltage (α)	0.057%/°C ± 0.01
Tc of Power (γ)	-0.41%/°C ± 0.02
NOCT	45±2°C

Performance Warranty

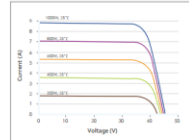
05 years Product Warranty
12 years – 90% of Power
25 Years – 80% of power

I-V Curve at STC

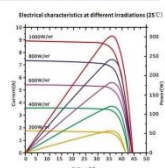
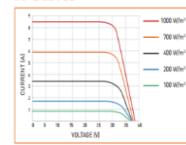
Performance Warranty



IV CURVE



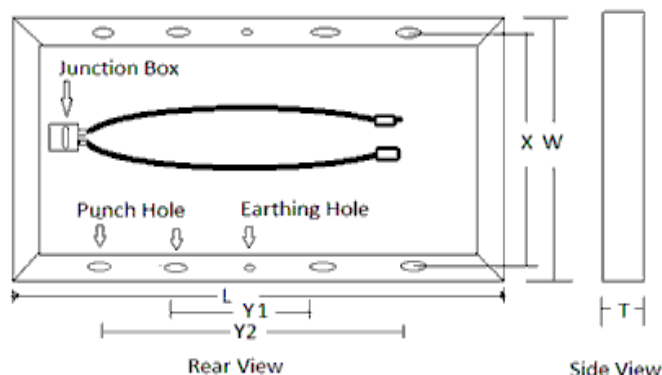
IV Curves



Mechanical Details

Solar Cells Type	Polycrystalline solar cells -5 BB
Cell size	157mmx157mm
Solar Glass	3.2 mm High transmission low iron tempered glass AR coated
Length (L)x Width(W) x Height(T)	1960mmx990mmx35mm (± 1.5 mm)
Area	1.94 SQM
Mounting Hole Pitch (Y)	Y1=900mm, Y2=1060mm
Mounting Hole Pitch (X)	942 mm(± 4 mm)
Mounting hole size	12mm*8mm(± 2 mm)
Weight	21.8 Kg.
Cell to Cell Gap	2 mm
Internal Circuit Connection	Copper Ribbon
Frame	Silver (more than 15 micron) Anodized Aluminium
Cells Encapsulant	EVA (Ethylene Vinyl Acetate)- FC/UFC
Junction Box (Model Type & current Rating)	Prepotted IP 68 rated with 3 Bypass diodes (4 T /3 D)
Cable & Connectors	4 sqm. (12AWG) solar cable 1100mmx2 nos black MC4 compatible connectors
Mechanical Load Condition	Sustain Heavy wind & snow loads (2400 Pa & 5400 Pa or 550 Kg/m ²
	Maximum diameter of 24 mm with Hail impact of 83 Km/h

Mounting Diagram Details



Packing Details

Container	20'GP	40'HC
Pallet/Container	10	28
Modules/container	300	840

*Due to constant product modifications, company reserves the right to amend the above specifications without prior notice.