

## Technical Specifications

Specifications	ECE072P345	ECE072P350
Power (Pm) in Watts (nominal)	345	350
Open Circuit Voltage (Voc) in Volts	47.66	47.95
Short Circuit Current (Isc) in Amps	9.13	9.17
Voltage at Max Power (Vmp) in Volts	41.04	41.40
Current at Max Power (Imp) in Amps	8.45	8.48
Module Fill Factor (%)	79.6	79.80
Module Efficiency (%)	17.77	18
Maximum System Voltage (Vdc)	1500	1500
Solar Cells per Module (Units) & Module Matrix	72 12*6	72 12*6
No. of Cells per bypass Diode	24	24
Diode used detail	20A 45	20A 45
Max Series Fuse Rating in Amps	20	20

\*All electrical parameters specified at STC: 25°C cell temperature; 1000W/M<sup>2</sup> irradiance; AM 1.5 & calculated as per cell data

## Temp. Coefficient Tc

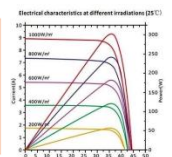
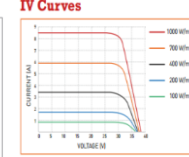
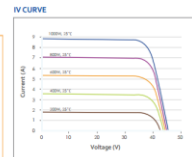
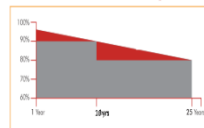
Tc of Open Circuit Voltage (β) -0.36%/°C ± 0.02  
 Tc of Short Circuit Current (α) 0.07%/°C ± 0.01  
 Tc of Power (Y) -0.38%/°C ± 0.02  
 NOCT 45±2°C

## Performance Warranty

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

## I-V Curve at STC

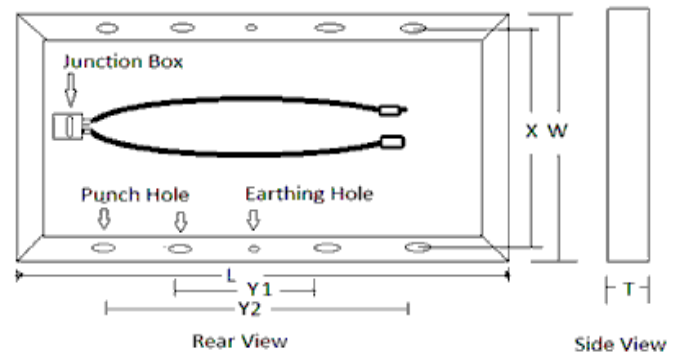
## Performance Warranty



## Mechanical Details

Solar Cells Type	Polycrystalline solar cells -5 BB
Cell size	156.75mmx156.75mm
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	1.9404 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.
Frame	Silver (more then 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 1000mmx2 nos black MC4 compatible connectors
Mechanical Load Condition	Sustain Heavy wind & snow loads (2400 Pa & 5400 Pa or 550 Kg/m²)
	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.

**ECE INDIA ENERGIES PRIVATE LIMITED**

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