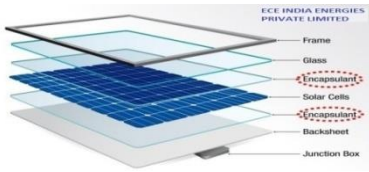


Technical Specifications



Specifications	ECE24CP250	ECE24CP265	ECE24CP275
Power (Pm) in Watts (nominal)	250	265	275
Open Circuit Voltage (Voc) in Volts	46.15	37.92	38.41
Short Circuit Current (Isc) in Amps	6.65	8.70	8.96
Voltage at Max Power (Vmp) in Volts	39.74	32.10	32.21
Current at Max Power (Imp) in Amps	6.29	8.27	8.56
Cell Efficiency (%)	17.6	18.2	18.8
Module Fill Factor (%)	81.44	80.46	80.13
Module Efficiency (%)	17.09	16.40	16.40
Maximum System Voltage (Vdc)	1500	1500	1500
Solar Cells per Module & Module Matrix	72 & 12*6	60 & 10*6	60 & 10*6
No. of Cells per bypass Diode	24	20	20
Diode used detail	20A 45V	20A 45V	20A 45V
Max Series Fuse Rating in Amps	20	20	20

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

Temp. Coefficient Tc

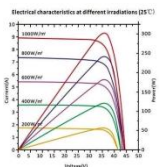
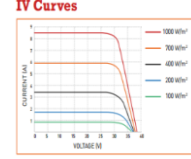
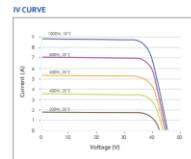
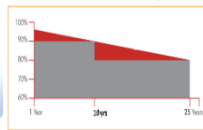
Tc of Open Circuit Voltage (β) -0.31%/°c ± 0.02  
 Tc of Short Circuit Voltage (α) 0.057%/°c ± 0.01  
 Tc of Power (γ) -0.41%/°c ± 0.02

Performance Warranty

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

I-V Curve at STC

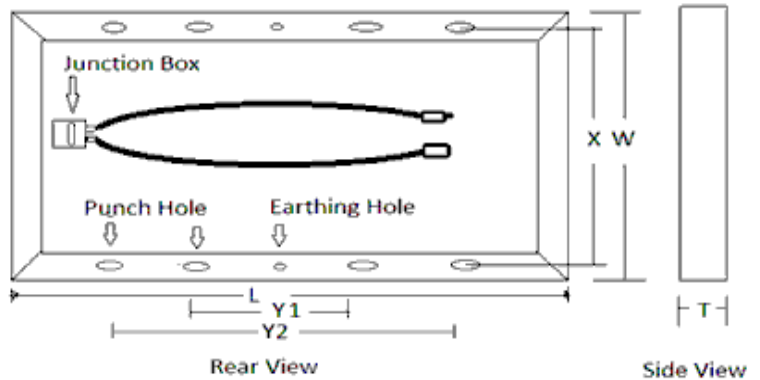
Performance Warranty



Mechanical Details

Cell Type	Polycrystalline solar cells -5 BB
Solar Glass	3.2 mm High transmission low iron tempered glass AR coated
Length (L)x Width(W) x Height(T)	1645mmx985mmx30mm (± 1.5 mm )
Area	1.6154 SQM
Mounting Hole Pitch (Y)	Y1=900mm, Y2=1060mm
Mounting Hole Pitch (X)	942 mm(± 4 mm )
Mounting hole size	12mm*8mm(± 2 mm )
Module Weight	19 kg.
Internal Circuit Connection	Copper Ribbon
Frame	Silver (more than 12 micron) Anodized Aluminium
Cells Encapsulate	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/m <sup>2</sup> 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.