

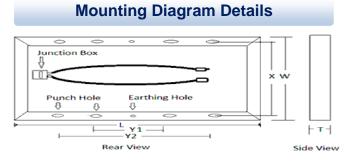
## **Technical Specifications**

Specifications	ECE072M400	
Power (Pm) in Watts (nominal)	400	
Open Circuit Voltage (Voc) in Volts	48.39	
Short Circuit Current (Isc) in Amps	9.99	
Voltage at Max Power (Vmp) in Volts	41.5	
Current at Max Power (Imp) in Amps	9.66	
Cell Efficiency (%)	22.2	
Module Fill Factor (%)	82.8	
Module Efficiency (%)	20.1	
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 45	
Max Series Fuse Rating in Amps	20	

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

## **Performance Warranty I-V Curve at STC** Temp. Coefficient Tc Tc of Open Circuit Voltage (ß) -0.31%/°c ± 0.02 05 years Product Warranty **Performance Warranty** Tc of Short Circuit Voltage (α) 0.057%/°c ± 0.01 12 years - 90% of Power Tc of Power (Y) -0.41%/°c ± 0.02 25 Years - 80% of power NOCT 45±2°c **Mechanical Details**

Color Colla Tuno	Mono Perc solar cells -5 BB		
Solar Cells Type	WOTO PETC SOLAT CETS -5 BB		
Cell size	158.75x158.75mm		
	3.2 mm High transmission low iron tempered glass AR coated		
Solar Glass			
Length (L)x Width(W) x			
Height(T)	1985mmx1000mmx35mm (± 1.5 mm )		
Area	1.985 SQM		
Mounting Hole Pitch (Y)	Y1=900mm, Y2=1060mm		
Mounting Hole Pitch (X)	956mm(± 4 mm )		
Mounting hole size	12mm*8mm(± 2 mm )		
Weight	23 Kg.		
Cell to Cell Gap	2 mm		
Internal Circuit Connection	on Copper Ribbon		
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 )		
·	4 sqm. (12AWG) solar cable 1200mmx2 nos black MC4 compatible		
Cable & Connectors	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		



## **Packing Details**

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

## **ECE INDIA ENERGIES PRIVATE LIMITED**

<sup>\*</sup>Due to constant product modifications, company reserves the right to amend the above specifications without prior notice.