

# TopCon

Bi-Facial  
565Wp-650Wp



Glass  
To  
Glass



30 Years  
Performance  
Warranty



12 Years  
Manufacturing  
Warranty

**2 GW**

Manufacturing  
Facility



Best in class  
thermal coefficients



Sustain heavy  
snow & wind loads



Highest  
commercial  
gains



Split junction  
box improve  
heat dissipation





Increase  
shade  
tolerance

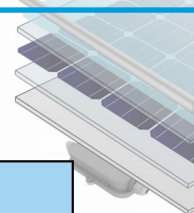


Highest  
reliability

**Corporate Head Office**  
F27, Amravati MIDC Area,  
Express Highway NH 06,  
Amravati 444607, Maharashtra.

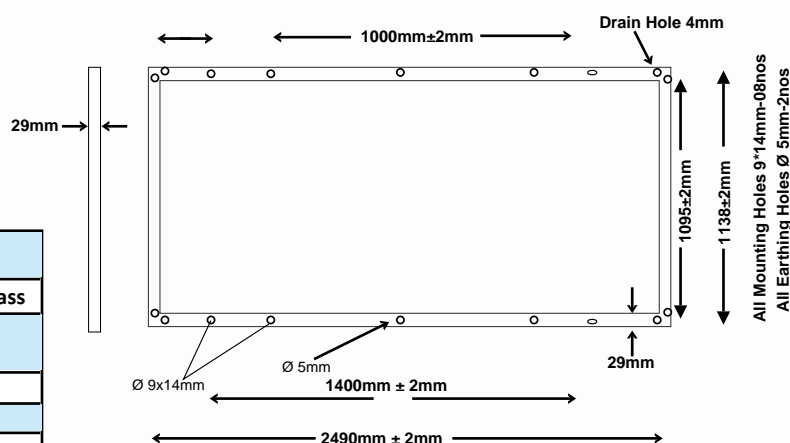
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**Corporate Sales Office**  
2nd Floor, Navle Icon,  
Ambegaon, Pune-411046



Specifications	ECE156T625
Power (Pm) in Watts (nominal)	625±2%
Open Circuit Voltage (Voc) in Volts	55.46
Short Circuit Current (Isc) in Amps	13.76
Voltage at Max Power (Vmp) in Volts	48.28
Current at Max Power (Imp) in Amps	12.96
Module Fill Factor (%)	81.99
Module Efficiency (%)	22.06%
Maximum System Voltage (Vdc)	1500V
Solar Cells per Module (Units)	156 Half Cut Cells
Max Series Fuse Rating in Amps	30

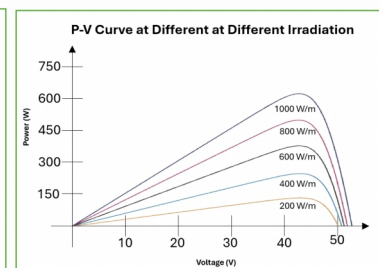
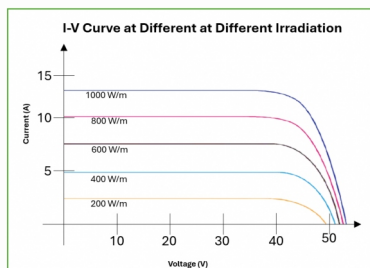
\* All electrical parameters specified at STC: 25°C cell temperature; 1000W/ M<sup>2</sup> irradiance; AM 1.5



## Mechanical Details

<b>Solar Cells Type</b>	Half cut TopCon
<b>Solar Glass Front &amp; Back</b>	2mm Tempered ARC Coated Glass
<b>Length (L)x Width(W) x Height(T)</b>	2490mm x 1138mm x 29mm
<b>Area</b>	2.83 Sqm
<b>Mounting Hole Pitch (Y)</b>	Y1= 1400mm, Y2=1000mm
<b>Mounting Hole Pitch (X)</b>	1095 ± 2 mm
<b>Mounting hole size</b>	14mm*9mm(± 2 mm )
<b>Weight</b>	≈ 34.25 Kg
<b>Internal Circuit Connection</b>	Copper Ribbon
<b>Frame</b>	Silver (more than 15 micron) Anodized Aluminium
<b>Cells Encapsulant</b>	Front side : POE/EPE
<b>Junction Box (Model Type &amp; current Rating)</b>	Back Side : EPE IP68 Split JB
<b>Connectors</b>	MC4 Compatible
<b>Mechanical Load Condition</b>	Sustain heavy Wind & Snow loads (2400Pa & 5400Pa or 550kg/m2 Maximum diameter of 24mm with hail impact of 83
<b>Cable Length</b>	0.4 Meter

Temperature Coefficients	
Tc of Open Circuit Voltage (β)	-0.02681%/°C±0.02
Tc of Short Circuit Current (α)	0.0469%/°C±0.01
Tc of Power (γ)	-0.3218%/°C±0.02
NOCT	44±2°C



Bi-Facial output - (Back side gain @ STC)		625
15%	Nominal Maximum Power (Pmax) Wp	718.75
	Module efficiency %	25.37
20%	Nominal Maximum Power (Pmax) Wp	750.00
	Module efficiency %	26.47
25%	Nominal Maximum Power (Pmax) Wp	718.25
	Module efficiency %	27.57

## Linear Performance Warranty

