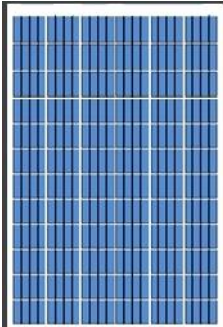
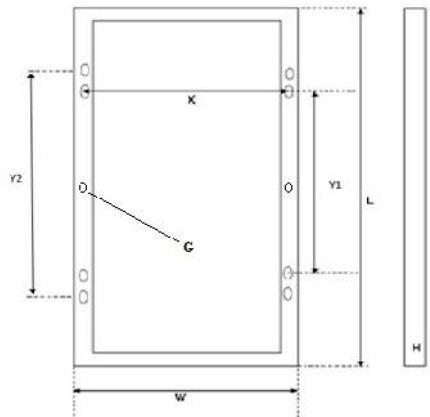


300 WATT - MODULE DATA SHEET			Module Design (Front)
ELECTRICAL PARAMETERS			
Model Name	ECO 300		
Cell Configurations (Nos.)	12 x 6 (72) Series		
Parameters	Value	Tolerance	
Pmax (W)	300	(0 to + 3.0%)	
Voc (V)	44.2	(± 3.0%)	
Isc (A)	8.8	(± 5.0%)	
Vmax (V)	36.15		
Imax (A)	8.3		
Fill Factor (%)	77.13%		
Module Efficiency (%)	15.48%		
Maximum System Voltage (VDC)	1000		
Temp. Coefficient of Pmax (%/°C)	-0.39		
Temp. Coefficient of Voc (%/°C)	-0.31		
Temp. Coefficient of Isc (%/°C)	0.06		
<small>Electrical values measured at STC: 25°C, 1.5AM, 1000 W/m²</small>			
MECHANICAL PARAMETERS			
Parameters	Measurement	Tolerance	
L - Length of Module (mm)	1960	± 1.0 mm.	
W - Width of Module (mm)	989	± 1.0 mm.	
H - Height of Module (mm)	40	± 0.5 mm.	
X - Pitch Distance (mm)	950	± 1.0 mm.	
Y- Pitch Distance (mm)	1200, 1600	± 1.0 mm.	
Mounting Hole (mm)	8 oblong of size 6.5 mm x 10 mm		
Grounding Hole (mm)	2 Nos. of Dia. 4mm on Length Side		
Cell	Polycrystalline Solar Cells, 156.75mmX156.75mm		
Junction Box	TUV approved, IP 65 / IP 67 rated 4 terminal junction box with 3 bypass diodes		
Cables	1000mm Long, 4mm ² cables with MC4 Compatible Connectors		
Weight	22 Kg.		

P V Power Technologies Pvt. Ltd.

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