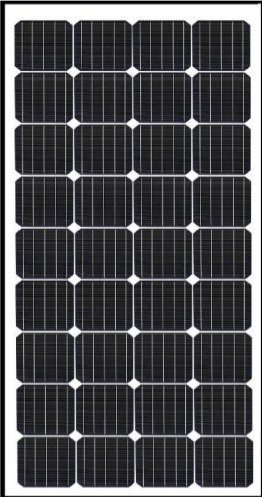
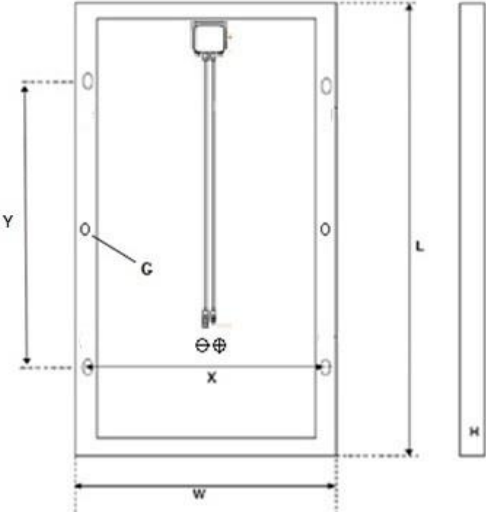


180 watt monocrystalline - module data sheet			Module Design (Front)
ELECTRICAL PARAMETERS			
Model Name	180 Watts		
Cell Configurations (Nos.)	9 x 4 (36) Series		
Parameters	Value	Tolerance	
Pmax (W)	180.00	± 3.0%.	
Voc (V)	23.26		
Isc (A)	9.53		
Vmax (V)	19.95		
Imax (A)	9.03		
Fill Factor (%)	81.20		
Module Efficiency (%)	18.17		
Maximum System Voltage (VDC)	1000.00		
Nominal Operating Cell Temp. {NOCT} (°C)	44.0 °C		
Temp. Coefficient of Pmax (%/°C)	-0.43		
Temp. Coefficient of Voc (%/°C)	-0.32		
Temp. Coefficient of Isc (%/°C)	0.03		
Electrical values measured at STC: 25°C, 1.5AM, 1000 W/m ²			Module Design (Back)
MECHANICAL PARAMETERS			
Parameters	Measurement	Tolerance	
L - Length of Module (mm)	1490	± 1.0 mm.	
W - Width of Module (mm)	665	± 1.0 mm.	
H - Height of Module (mm)	35	± 0.5 mm.	
X - Pitch Distance (mm)	632	± 2.0 mm.	
Y - Pitch Distance (mm)	745	± 2.0 mm.	
G - Grounding Hole (mm)	6 mm diameter on length side		
Mounting Hole (mm)	4 oblong of size 9 mm x 11 mm		
Junction Box	3 terminal Junction Box with 2 bypass diode		