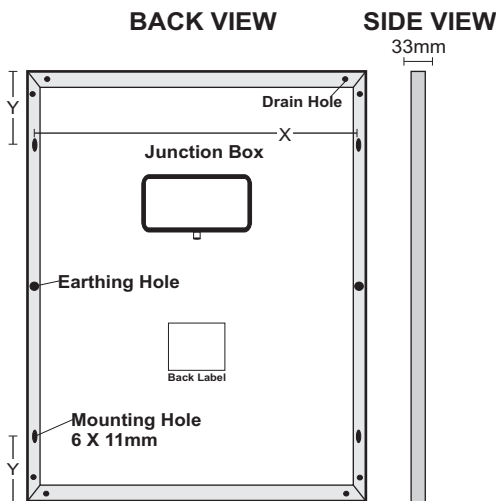


**PERFORMANCE UNDER STANDARD TEST CONDITIONS (STC)**

Nominal Maximum Power (Pmax)	30   40W	50   60W	70   80W	100W	125W	150W	200W
Optimum Operating Voltage (Vmp)	18.90	18.90	18.90	18.90	18.90	18.90	28.35
Optimum Operating Current (Imp)	1.96   2.12	2.65   3.18	3.97   4.24	5.30	6.62	7.94	7.06
Open Circuit Voltage (Voc)	22.64	22.64	22.64	22.64	22.64	22.64	33.97
Short Circuit Current (Isc)	2.09   2.26	2.83   3.39	4.24   4.52	5.66	7.07	8.48	7.54

**Mechanical Specifications**

Dimensions (LxWXT mm)	440x670x33	620x670x33	800x670x33	1050x670x33	1220x670x33	1480x670x33	1300x985x33
Weight(kg)	3.82	4.61	6.91	8.6	10.6	12.86	16.7
No Of Cell	36	36	36	36	36	36	54
Cell Arrangement	9x4	9x4	9x4	9x4	9x4	9x4	9x6
Front Cover (Tempered Glass)	3.2mm	3.2mm	3.2mm	3.2mm	3.2mm	3.2mm	3.2mm
Encapsulate	(EVA) Ethylene Vinyl Acetate Sheet						
Back Cover	Composite sheet						
Junction Box with Bypass Diode	3 terminal	3 terminal	3 terminal	3 terminal	3 terminal	3 terminal	4 terminal
Mounting Holes Pitch (Y)-mm	110	155	200	263	305	370	325
Mounting Holes Pitch (X)-mm	640.4	640.4	640.4	640.4	640.4	640.4	955.4



\*All dimensions are in mm with +/-1% tolerance.






**MAXIMUM OPERATING CONDITIONS**

Operating Temperature:	-40°C to +85°C
Maximum System Voltage:	1000V
NOCT	45 ± 2°/C

**TEMPERATURE COEFFICIENTS**

Current Temperature Coefficients $\alpha(Isc)$ :	0.05%/C
Voltage Temperature Coefficients $\beta(Voc)$ :	(-0.33%/C)
Power Temperature Coefficients $\gamma(Pmax)$ :	(-0.38%/C)

**APPLICATIONS**

-  Solar Street Lights
-  Solar Telecom Solutions
-  Electric Vehicle Charging Station
-  Roof Top Solutions
-  Rural Electrification

**Disclaimer:** specifications included in the datasheet are subject to change without prior notice owing to conditions innovation on the product Development and R&D Activities. EFFORTS ENTERPRISES reserves the right to make any adjustment to the information described here. Dataset contained in this specification do not form a representative of a single module data.