HIGH PERFORMANCE POLYCRYSTALLINE SOLAR PV MODULE

PATANJALI

Anant Urja Srot...

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36 CELLS

(150W-170W)

POLY 36 CELLS MODULE

SI NO.	Model	PREL 150W	PREL 155W	PREL 160W	PREL 165W	PREL 170W
1	Cell Type	5 BB	5 BB	5 BB	5 BB	5 BB
2	Maximum Power(Pmax) Wp	150	155	160	165	170
3	Maximum Power Voltage (vmp) V	18.8	18.95	19.11	19.22	19.38
4	Maximum Power Current(Imp) A	8.02	8.18	8.38	8.6	8.78
5	Open Circuit Voltage(Voc) V	22.9	23.12	23.15	23.29	23.4
6	Short Circuit Current(Isc) A	8.45	8.59	8.93	9.14	9.25
7	Module Efficiency (n) %	16.108%	16.64%	17.68%	17.71%	18.25%

GENERAL DATA

Solar Cells	36 Polycrystalline
Cell Orientation	36 Cells (9 x 4)
Front Glass	3.2mm toughened glass
Back sheet	White
Frame	Anodized Aluminum Alloy
Junction Box	IP65, 2 Diode
Cable & Connectors	NA

MAXIMUM RATINGS

Operating Temperature	- 40°C to +85°C
Maximum System Voltage	1000 V
Maximum Series Fuse Rating	15 amp
Application Classification	Class A
Power Tolerance	0 to +4.99
Under Standard Test Condition (STC) of Irradiance of 1000 w/m2, Spectrum AM 1.5 and Cell Temperature 25°C	

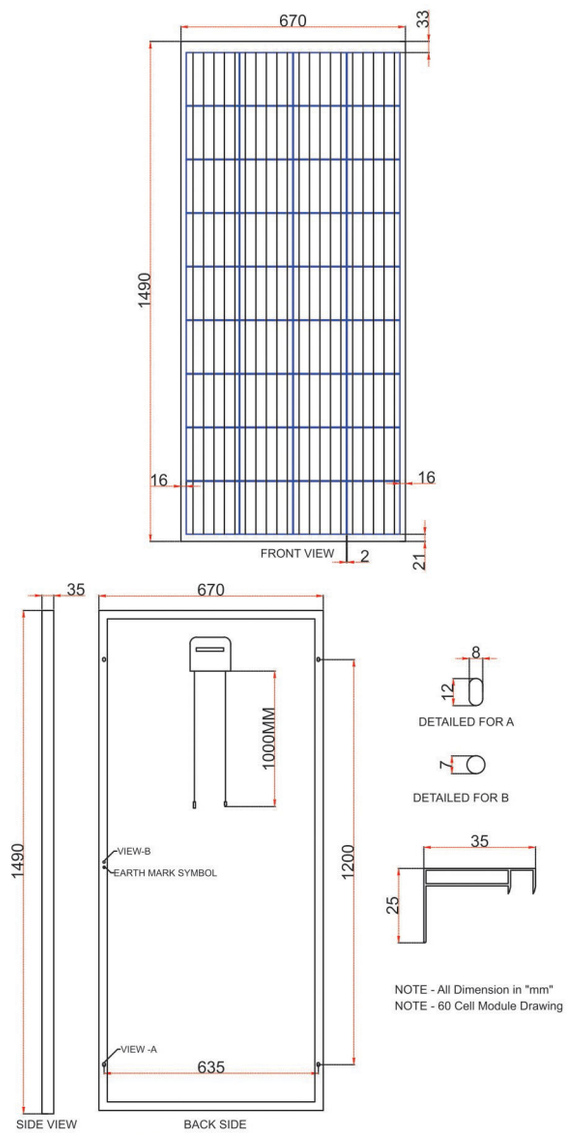
TEMPERATURE RATINGS

Nominal Module Operating Temperature	46°C (±2°C)
Temperature Coefficient of PMPP	-0.40 %/°C
Temperature Coefficient of VOC	-0.27 %/°C
Temperature Coefficient of ISC	0.024 %/°C
*The temperature coefficients stated are linear values	

MECHANICAL DATA

Dimensions (MM)	1490 X 670X 35
Weight (Kgs)	11±0.5

* Module Efficiency (N) % as per Aperture area



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