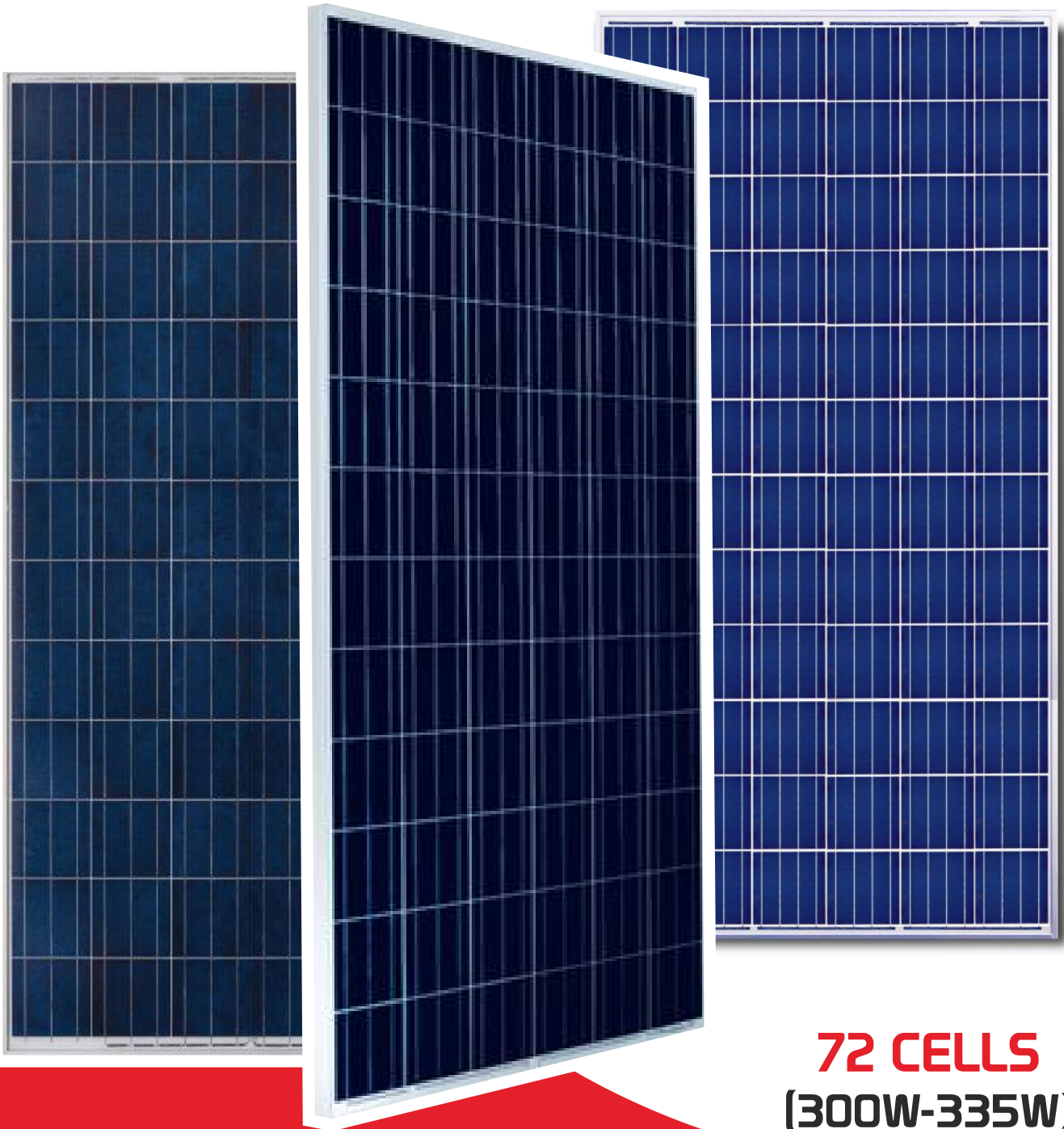




**SWAT
SOLAR**

www.swatsolar.org

HIGH PERFORMANCE POLYCRYSTALLINE SOLAR PV MODULE



**72 CELLS
(300W-335W)**

POLY 72 CELLS MODULE

SI NO.	Model	SWAT 300W	SWAT 315W	SWAT 320W	SWAT325W	SWAT 330W	SWAT 335W
1	Cell type	5BB	5BB	5BB	5BB	5BB	5BB
2	Maximum power (Pmax) Wp	300	315	320	325	330	335
3	Maximum Power Voltage (vmp) V	37.28	37.50	37.70	37.80	38.00	37.56
4	Maximum power Current (Imp) A	8.05	8.40	8.50	8.60	8.70	8.92
5	Open Circuit Voltage (Voc) V	45.10	45.80	46.00	46.20	46.30	46.65
6	Short Circuit Voltage (Isc) A	8.74	8.92	9.30	9.13	9.24	9.35
7	Module Efficiency (n) %	15.51%	16.30%	16.54%	16.80%	17.07%	17.84%

GENERAL DATA

Solar Cells	72 Polycrystalline
Cell Orientation	72 Cells (12 X 6)
Front Glass	3.2mm toughened glass
Back sheet	White
Frame	Anodized aluminum Alloy
Junction Box	IP68, 3Diode
Cable & Connectors	4mm ² AWG 1000 V/MC 4 connectors

MAXIMUM RATINGS

Operating Temperature	-40°C to + 85°C
Maximum System Voltage	1000 V/1500 V
Maximum Series Fuse Rating	20 amp
Application Classification	Class A
Power Tolerance	0 to + 4.99
Under Standard Test Condition (STC) of Irradiance of 1000 w/m ² , Spectrum AM 1.5 and Cell Temperature 25 C	

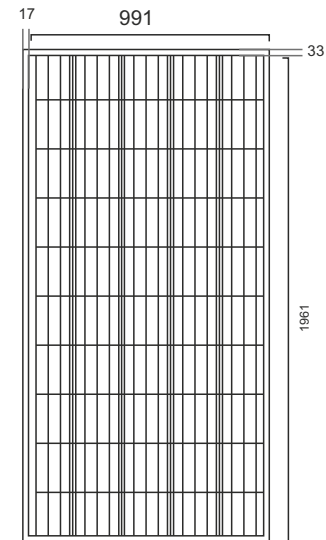
TEMPERATURE RATINGS

Nominal module Operating Temperature	-40 °C to +85°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	

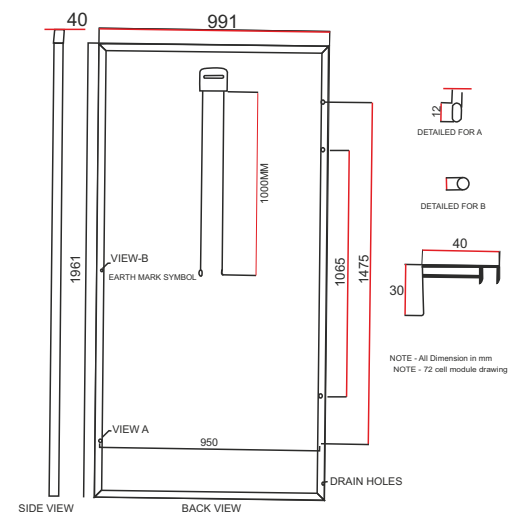
MECHANICAL DATA

Dimensions (MM)	1961 X 991 X 40
Weight (Kgs)	21.5 ± 0.5

* Module Efficiency (N) % as per Aperture area



FRONT VIEW



SIDE VIEW

BACK VIEW



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