

### TECHNICAL SPECIFICATIONS - WAAREE PV MODULES

Electrical Characteristics *	WE-3A	WE-3	WE-5A	WE-5	WE-8	WE-10	WE-12	WE-15	WE-18	WE-20	WE-25	WE-30	WE-35	WE-37
Power (Pm) in Watts (nominal)	3	3	5	5	8	10	12	15	18	20	25	30	35	37
Open Circuit Voltage (Voc) in Volts	10	21	10	21	21	21	21	21	21	21	21	21	21	21
Short Circuit Current (Isc) in Amps	0.42	0.21	0.67	0.34	0.46	0.67	0.73	0.92	1.15	1.35	1.68	2.02	2.36	2.4
Voltage at Maximum Power (Vmp) in Volts	8.2	17	8.2	17	17	17	17	17	17	17	17	17	17	17
Current at Maximum Power (Imp) in Amps	0.37	0.18	0.61	0.3	0.44	0.59	0.71	0.88	1.05	1.18	1.47	1.76	2.06	2.17
Maximum System Voltage	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V	600V
Physical Parameters (Refer drawing below)														
Solar Cells per Module (Units)	18	36	18	36	36	36	36	36	36	36	36	36	36	36
Length x Width x Thickness (L x W x T) mm	185 x 185 x 22	255 x 185 x 22	290 x 185 x 22	360 x 185 x 22	250 x 350 x 22	285 x 350 x 22	325 x 350 x 22	395 x 350 x 22	460 x 350 x 22	485 x 350 x 22	630 x 345 x 22	740 x 345 x 22	485 x 675 x 35	485 x 675 x 35
Weight - Kg	0.4	0.45	0.65	1.1	1.2	1.4	1.8	1.9	2.1	2.7	3.2	4.85	4.85	4.85
Mounting Holes Pitch (Y) - mm	-	-	-	130	145	165	195	240	245	330	380	245	245	245
Mounting Holes Pitch (X) - mm	157	157	157	318	318	318	318	318	318	313	313	624	624	624
Area - Sq. M	0.03	0.05	0.05	0.09	0.1	0.11	0.14	0.16	0.17	0.22	0.25	0.33	0.33	0.33
Junction Box	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal	2 terminal

\*Measurement Tolerance on Power +/- 5%. All electrical parameters specified at STC : 25°C cell temperature; 100mW/cm<sup>2</sup> irradiance; AM 1.5

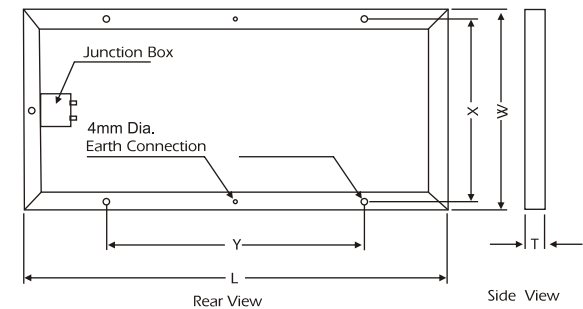
### Other Characteristics

Type of Cell	: Mono / Multi Crystalline Silicon
Front Face	: Tempered Glass (Low Iron)
Encapsulate	: Ethylene Vinyl Acetate
Frame	: Anodized Aluminium
Junction Box	: Weather Proof Nylon 6
Temp. Coefficients	: Voltage -0.123 V / °K Current +4.4 mA / °K Power -0.47% / °K
NOCT	: 47+/-2 °C

- The Standard range of modules is supplied without diodes. However, diodes can be provided on specific customer request at extra cost.
- All modules are supplied with screwless Hollow section frames.
- Warranty : Up to 10 Years Limited Extended Warranty
- Due to constant product modifications, WAAREE reserves the right to amend the above specifications without prior notice.

### Mounting Details

All dimensions in mm and tolerances ±2mm



\* Mounting Hole: upto 30Wp 6mm dia.  
35Wp & 37Wp 12x8 mm

WEPL/WE-37/Rev-1/Jul.09

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