

TECHNICAL SPECIFICATIONS - WAAREE PV MODULES

Electrical Characteristics *	WE-3A	WE-3	WE-5A	WE-5	WE-8	WE-10/WS-10	WE-12	WE-15	WE-18	WE-20/WS-20	WE-25	WE-30/WS-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	10.00	21.00	10.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00	21.00
Short Circuit Current (Isc) in Amps	0.38	0.19	0.61	0.30	0.50	0.61	0.71	0.96	1.07	1.20	1.48	2.00	2.28	2.30
Voltage at Maximum Power (Vmp) in Volts	8.80	17.00	8.80	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
Current at Maximum Power (Imp) in Amps	0.34	0.18	0.57	0.29	0.47	0.59	0.71	0.88	1.06	1.18	1.47	1.76	2.06	2.18
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	250 x 350 x 22	300 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 22
	Inches	7.3 x 7.3 x 0.8	10.0 x 7.3 x 0.8	11.4 x 7.3 x 0.8	9.8 x 13.8 x 0.8	11.8 x 13.8 x 0.8	12.8 x 13.8 x 0.8	15.5 x 13.8 x 0.8	18.1 x 13.8 x 0.8	19.1 x 13.8 x 0.8	20.8 x 13.5 x 0.8	29.1 x 13.5 x 0.8	19.1 x 26.6 x 1.4	19.1 x 26.6 x 0.8
Weight - Kg	0.65	0.75	0.85	0.85	1.35	1.55	1.75	1.95	1.95	2.10	2.65	3.30	4.25	4.25
Mounting Holes Pitch (Y)	mm(Inches)	92.50 (3.6)	127.50 (5.0)	145 (5.7)	130(5.1)	145(5.7)	165(6.5)	195(7.7)	240(9.4)	245(9.6)	330(13.0)	380(15.0)	245(9.6)	245(9.6)
	mm(Inches)	155(6.1)	155(6.1)	155(6.1)	322(12.7)	322(12.7)	322(12.7)	322(12.7)	322(12.7)	322(12.7)	318(12.5)	318(12.5)	624(24.6)	624(24.6)
Area - Sq. M / Area - Sq. ft.	0.03(0.32)	0.05(0.54)	0.05(0.54)	0.09(0.97)	0.105(1.13)	0.14(1.51)	0.16(1.72)	0.17(1.83)	0.22(2.37)	0.26(2.80)	0.26(2.80)	0.38(4.09)	0.38(4.09)	0.38(4.09)
Junction Box	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65

*Measurement Tolerance on Power +/- 5%. All electrical parameters specified at STC : 25°C cell temperature; 100mW/cm² irradiance; AM 1.5

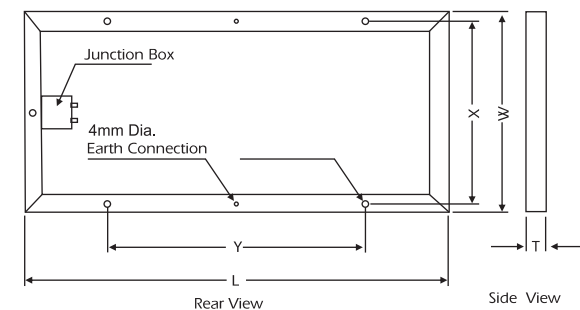
Other Characteristics

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

- Certifications: IEC 61215 / IEC 61730 -1 / IEC 61730 - 2 / TÜV Safety Class II
- 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 25 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

WAAREE Energies Pvt. Ltd.

H.O. : Mumbai, India Factory : Surat, India
 Tel.: +91-22-66963030 Fax : +91-22-26873613 Email : infosolar@waaree.com