

TECHNICAL SPECIFICATIONS - WAAREE PV MODULES

Electrical Characteristics *	WS-120	WS-125	WS-130	WS-140	WS-150	WS-160
Power (Pm) in Watts (nominal)	120	125	130	140	150	160
Open Circuit Voltage (Voc) in Volts	21	21	21	32	43	43
Short Circuit Current (Isc) in Amps	8.1	8.4	8.8	6.01	4.59	4.88
Voltage at Maximum Power (Vmp) in Volts	17	17	17	26	35	35
Current at Maximum Power (Imp) in Amps	7.08	7.38	7.67	5.39	4.28	4.57
Maximum System Voltage	1000V	1000V	1000V	1000V	1000V	1000V
Physical Parameters (Refer drawing below)						
Solar Cells per Module (Units)	36	36	36	54	72	72
Length x Width x Thickness (L x W x T) mm	1495 x 675 x 35	1495 x 675 x 35	1495 x 675 x 35	1495 x 990 x 35	1175 x 990 x 35	1175 x 990 x 35
Weight - Kg	11.75	11.75	11.75	11.75	14.45	14.45
Mounting Holes Pitch (Y) - mm	915	915	915	915	595	595
Mounting Holes Pitch (X) - mm	627	627	627	945	945	945
Area - Sq. M	1.00	1.00	1.00	1.48	1.16	1.16
Junction Box	3 T & 2 diodes	3 T & 2 diodes	3 T & 2 diodes	4 T & 3 diodes	4 T & 3 diodes	4 T & 3 diodes

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

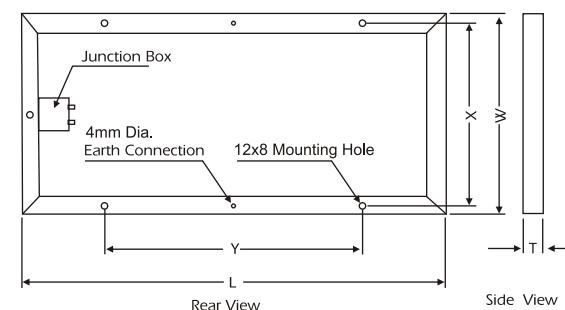
Other Characteristics

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 / TUV 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



WEPL/WS-160/Rev-3/Jul.09

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