

TECHNICAL SPECIFICATIONS - WAAREE PV MODULES

Electrical Characteristics *	WS-175	WS-180	WS-190	WS-200
Power (Pm) in Watts (nominal)	175	180	190	200
Open Circuit Voltage (Voc) in Volts	32	32	32	32
Short Circuit Current (Isc) in Amps	7.6	7.8	8.3	8.7
Voltage at Maximum Power (Vmp) in Volts	26	26	26	26
Current at Maximum Power (Imp) in Amps	6.7	6.9	7.3	7.7
Maximum System Voltage	1000V			
Physical Parameters (Refer drawing below)				
Solar Cells per Module (Units)	54			
Length x Width x Thickness (L x W x T) mm	1490 x 990 x 42			
Weight - Kg	17.5			
Mounting Holes Pitch (Y) - mm	900			
Mounting Holes Pitch (X) - mm	949			
Cables with Connectors	4mm ² , TÜV certified, 1000mm each			
Junction Box	IP65 / 4T with 3 diodes			
Certifications: IEC 61215 / IEC 61730 -1 / IEC 61730 – 2 / TUV Safety Class II				

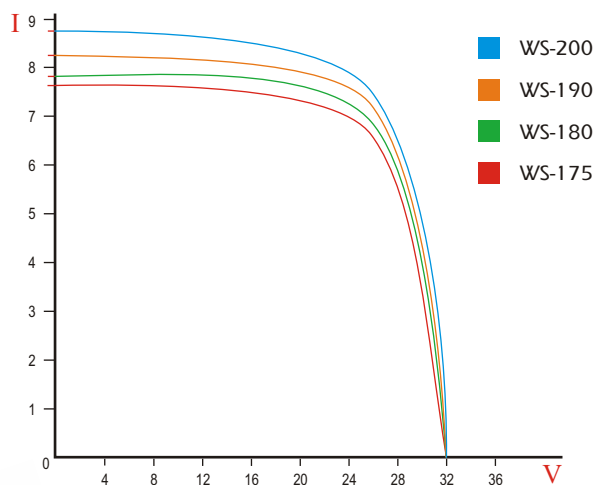


*Measurement Tolerance on Power +/- 5%. All electrical parameters specified at STC : 25°C cell temperature; 100mW/cm² irradiance; AM 1.5

Other Characteristics

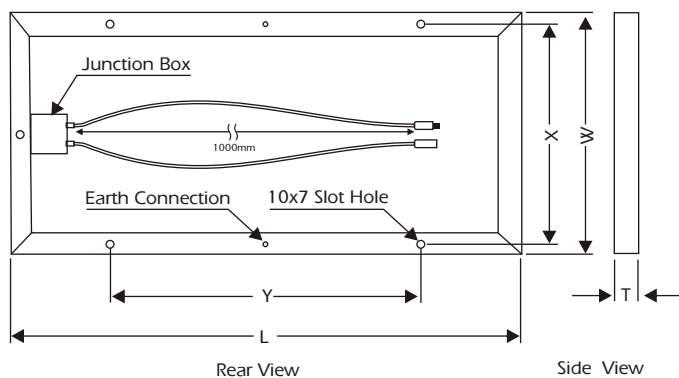
Type of Cell : Mono / Multi Crystalline Silicon
 Front Face : Tempered Glass (Low Iron)
 Encapsulate : Ethylene Vinyl Acetate
 Frame : Anodized Aluminium
 Junction Box : Weather Proof Nylon 6
 Temp. Coefficients : Voltage -0.123 V / °K
 Current +4.4 mA / °K
 Power -0.47% / °K
 NOCT : 47+/-2 °C

- Due to constant product modifications, WAAREE reserves the right to amend the above specifications without prior notice.
- All modules of 180Wp and above are supplied with pre-fixed cables and connectors.
- All modules of 120Wp and above are supplied with screwless Hollow section frames.
- Warranty : Up to 25 Years Limited Extended Warranty



Mounting Details

All dimensions in mm and tolerances ±2mm



WEPL/WS-200/Rev-2/Jan.09








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Sun Power Forever™



WAAREE Photovoltaic Modules

-  Ideal for On-Grid as well as Off-Grid applications
-  Available from 3Wp to 230Wp
-  Output Power Warranty:
 - Minimum 90% at the end of 10 years
 - Minimum 80% at the end of 25 years
-  Manufactured on automatic production line with premium quality input materials.
-  Certified by TÜV to be in conformance with IEC61215, IEC61730 & Safety Class II



IEC61215
IEC61730-2



GO GREEN ... SAVE EARTH ... USE SOLAR



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