

### TECHNICAL SPECIFICATIONS - WAAREE PV MODULES

Electrical Characteristics *		
Power (Pm) in Watts (nominal)		280 W
Open Circuit Voltage (Voc) in Volts		44.6
Short Circuit Current (Isc) in Amps		8.30
Voltage at Maximum Power (Vmp) in Volts		36.0
Current at Maximum Power (Imp) in Amps		7.78
Maximum System Voltage		1000V / 600V
Physical Parameters (Refer drawing below)		
Solar Cells per Module (Units)		72
Length x Width x Thickness (L x W x T)	<b>mm(Inches)</b>	1950 x 985 x 42 (76.90 x 38.8 x 1.58)
Mounting Holes Pitch (Y) - mm	<b>mm(Inches)</b>	1000 (39.4)
Mounting Holes Pitch (X) - mm	<b>mm(Inches)</b>	945(37.2)
Junction Box		IP 65 with Diodes
Weight - Kg		25.50
Container Packing Details		40 feet Container - 644 Modules
		20 feet Container - 300 Modules
<b>Certifications: IEC 61215 / IEC 61730 - 1 / IEC 61730 - 2/ TÜV Safety Class II &amp; ETL Mark for UL 1703 approval (USA &amp; CANADA); CEC listed</b>		

\*Measurement Tolerance on Power +/- 3%. 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

- All modules of 180Wp and above are supplied with pre-fixed cables and connectors.
- 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.