

## TECHNICAL SPECIFICATIONS

| Electrical Characteristics *              |            | HS-120/WU-120                       | HS-125/WU-125     | HS-130/WU-130     | HS-140/WU-140     | HS-150                             | HS-160            |
|-------------------------------------------|------------|-------------------------------------|-------------------|-------------------|-------------------|------------------------------------|-------------------|
| Power (Pm) in Watts (nominal)             |            | 120                                 | 125               | 130               | 140               | 150                                | 160               |
| Open Circuit Voltage (Voc) in Volts       |            | 21                                  | 21                | 21                | 21                | 43                                 | 43                |
| Short Circuit Current (Isc) in Amps       |            | 7.62                                | 7.94              | 8.25              | 8.89              | 4.65                               | 4.96              |
| Voltage at Maximum Power (Vmp) in Volts   |            | 17                                  | 17                | 17                | 17                | 35                                 | 35                |
| Current at Maximum Power (Imp) in Amps    |            | 7.06                                | 7.35              | 7.65              | 8.24              | 4.29                               | 4.57              |
| Maximum System Voltage                    |            | 1000V/600V                          | 1000V/600V        | 1000V/600V        | 1000V/600V        | 1000V                              | 1000V             |
| Physical Parameters (Refer drawing below) |            |                                     |                   |                   |                   |                                    |                   |
| Solar Cells per Module (Units)            |            | 36                                  | 36                | 36                | 36                | 72                                 | 72                |
| Length x Width x Thickness (L x W x T)    | mm(Inches) | 1490 x 675 x 35 (58.7 x 26.6 x 1.4) |                   |                   |                   | 1175 x 990 x 35(46.3 x 39.0 x 1.4) |                   |
| Weight - Kg                               |            | 11.75                               | 11.75             | 11.75             | 11.75             | 14.45                              | 14.45             |
| Mounting Holes Pitch (Y)                  | mm(Inches) | 915(36.0)                           |                   |                   |                   | 595(23.4)                          |                   |
| Mounting Holes Pitch (X)                  | mm(Inches) | 627(24.7)                           |                   |                   |                   | 945(37.2)                          |                   |
| Area - Sq. M / Area - Sq. ft.             |            | 1.009(10.86)                        |                   |                   |                   | 1.163(12.52)                       |                   |
| Junction Box                              |            | IP 65 with Diodes                   | IP 65 with Diodes | IP 65 with Diodes | IP 65 with Diodes | IP 65 with Diodes                  | IP 65 with Diodes |

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

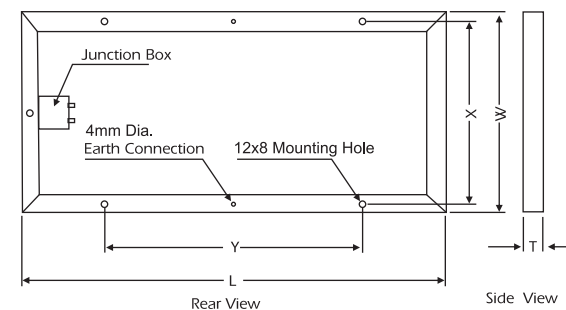
### Other Characteristics

|                    |                                    |
|--------------------|------------------------------------|
| 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                |
|                    | : 47+/-2 °C                        |

- Certifications: IEC 61215 / IEC 61730 -1 / IEC 61730 – 2 / TUV Safety Class II & ETL Mark for UL 1703 approval (USA & CANADA); CEC listed
- 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



Sun Power Forever™

