

Features

- High efficiency multi crystalline silicon solar cells.
- High transmission textured toughened glass.
- Module as per IEC-61215(2005); IEC-61730 safety class & IEC-61701 Salt Mist Test.
- Suitable for off-grid & grid connected systems.
- Narrow power tolerance for minimizing losses due to module power mismatch in an array.
- High quality screwless anodized aluminum frame to provide structural strength to the Laminate.
- TUV approved, IP65 rated 4 terminal junction box with 3 by-pass diodes (15A) for quick and safe installation.
- Bypass diodes to reduce the effect of partial shading of modules.
- Preassembled cable of length 1000 mm each with MC4 type +Ve and –Ve connectors.
- Manufacturing facility certified to ISO 9001:2008, ISO 14001:2004, BS OHSAS 18001:2007 and EN ISO 50001:2011.

Typical Electrical Characteristics*

| Module Type | JJ-M672 | | | | | |
|---|---------|--------|--------|--------|--------|--------|
| Maximum Power [P _m (Wp)] | 280 | 285 | 290 | 295 | 300 | 305 |
| Power tolerance [Wp] | + 4.99 | + 4.99 | + 4.99 | + 4.99 | + 4.99 | + 4.99 |
| Maximum Power Voltage [V _{mp} (V)] | 33.90 | 34.30 | 34.73 | 35.25 | 35.76 | 36.27 |
| Maximum Power Current [I _{mp} (A)] | 8.26 | 8.31 | 8.35 | 8.37 | 8.39 | 8.41 |
| Open Circuit Voltage [V _{oc} (V)] | 43.29 | 43.45 | 43.65 | 43.95 | 44.40 | 45.00 |
| Short Circuit Current [I _{sc} (A)] | 8.62 | 8.70 | 8.79 | 8.84 | 8.86 | 8.88 |
| Module Efficiency [%] | 14.34 | 14.60 | 14.86 | 15.11 | 15.37 | 15.62 |

*All electrical measurements are at STC (25° C, 1.5 AM, 1000 W/m²)

*Best in Class A Solar Sun simulator. (As per IEC 60904-9)

Thermal Characteristics

| | |
|---|-----------|
| Temperature coefficient of P _{max} | -0.43%/°K |
| Temperature coefficient of I _{sc} | 0.046%/°K |
| Temperature coefficient of V _{oc} | -0.33%/°K |
| NOCT | 45 ± 2 °C |



Mechanical Characteristics

| | |
|--|---|
| Front Cover | Low Iron tempered glass |
| Solar Cells (Quantity/type/arrangement/size) | 72 pcs/Multicrystalline/6 x 12/156mm x 156mm |
| Junction Box | TUV approved, IP65 rated 4 terminal junction box with 3 by-pass diodes (15 A) |
| Cable (length/size) | 1000 mm/ 4.0mm ² |
| Connectors | MC4 type +Ve and -Ve |
| Dimensions (LxWxH) | 1960 mm x 996 mm x 40 mm (± 1 mm) |
| Weight | 22 kg approximate |

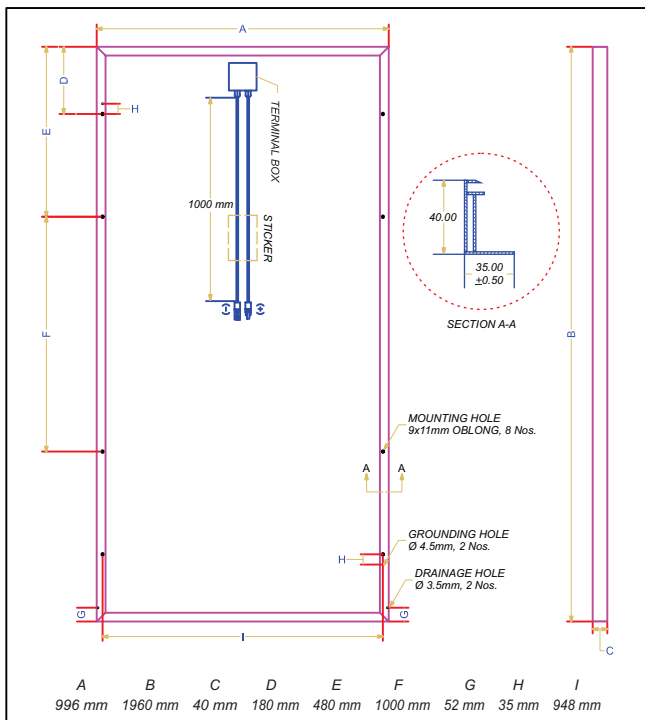
Operating Conditions

| | |
|-----------------------|----------------------|
| Max. System Voltage | 1000 V _{DC} |
| Safety Class | II |
| Maximum Series fuse | 15A |
| Operating Temperature | -40°C to +85°C |

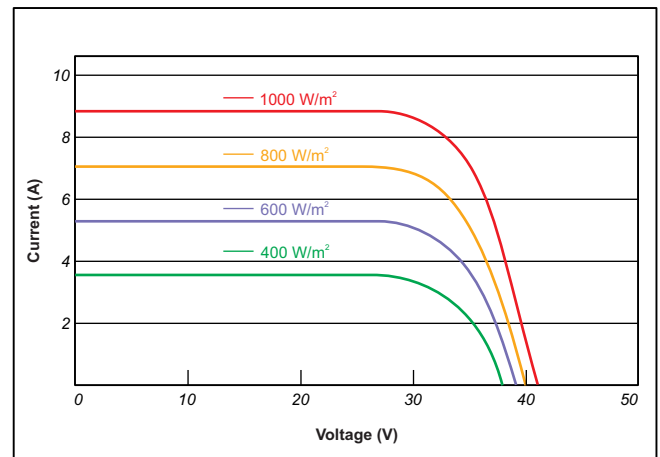
Warranty:

- Manufacturing defect & workmanship: 5 Years
- Power Production (Limited Warranty): 90% for 10 years & 80% for 25 years
- In compliance with our warranty terms and conditions. Contact Jain Irrigation System Ltd. for complete warranty details.
- For any kind of technical or design support, you may contact Jain Irrigation System Ltd.

Module dimensions



I-V Curves



Positive power tolerance system applied while categorizing the module in various powers ranges.

*Above Specifications are subject to change without prior notice. The specifications may vary slightly