

## PHOTOVOLTAIC MODULE

### JJ-M672

#### Features:

- High efficiency multi crystalline silicon solar cells.
- All materials of Lamination are UL approved.
- 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, Schottky) for quick and safe installation.
- Bypass diodes to reduce the effect of partial shading of modules.
- Preassembled cable length 1000 mm each with MC4 type +Ve and –Ve connectors.
- Safe packing depending on mode of transport.
- 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 <sub>m</sub> (Wp)]	280	285	290	295	300	305
Power tolerance [%]	± 3	± 3	± 3	± 3	± 3	± 3
Maximum Power Voltage [V <sub>mp</sub> (V)]	33.90	34.30	34.73	35.25	35.76	36.27
Maximum Power Current [I <sub>mp</sub> (A)]	8.26	8.31	8.35	8.37	8.39	8.41
Open Circuit Voltage [V <sub>oc</sub> (V)]	43.29	43.45	43.65	43.95	44.40	45.00
Short Circuit Current [I <sub>sc</sub> (A)]	8.62	8.70	8.79	8.84	8.86	8.88
Module Efficiency [%]	14.34	14.60	14.86	15.11	15.36	15.62

All electrical measurements are at STC (25°C, 1.5AM, 1000W/m<sup>2</sup>).

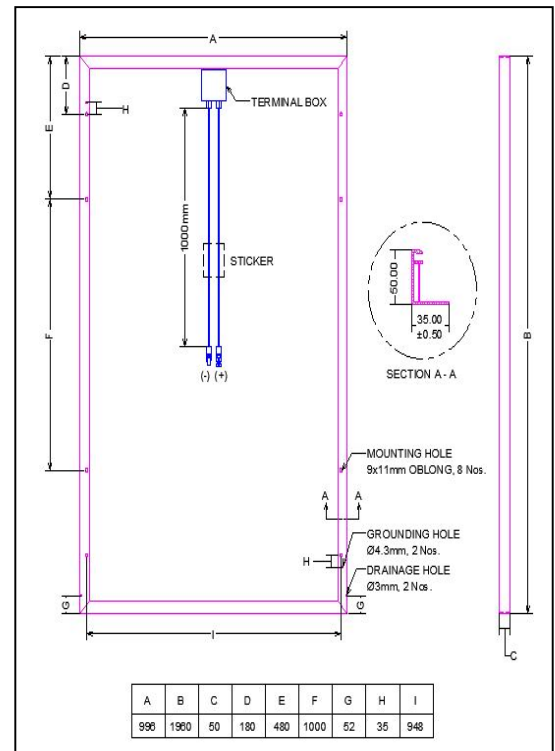
\*Best in Class A Solar Sun simulator (As per IEC 60904-9).

#### Thermal Characteristics:

Temperature coefficient of P <sub>max</sub>	-0.43%/°K
Temperature coefficient of I <sub>sc</sub>	0.046%/°K
Temperature coefficient of V <sub>oc</sub>	-0.33%/°K
NOCT	45 ± 2 °C

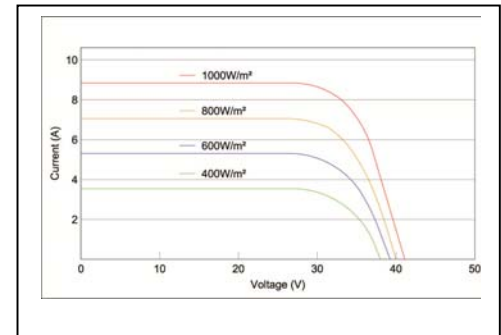
## Mechanical Characteristics:

Front Cover	Low Iron tempered glass
Solar Cells (Quantity/type/arrangement/size)	72 pcs/Multicrystalline/6 x 12/156 mm x 156 mm
Junction Box	TUV approved, IP65 rated 4 terminal junction box with 3 by-pass diodes (15 A, Schottky)
Cable (length/size)	1000 mm/ 4.0mm <sup>2</sup>
Connectors	MC4 type +Ve and -Ve
Dimensions (LxWxH)	1960 mm x 996 mm x 50 mm (± 1 mm)
Weight	24 kg approximate



## Operating Conditions:

Max. System Voltage	1000 V <sub>DC</sub>
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% : 10 years & 80% : 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.

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