

PHOTOVOLTAIC MODULE

JJ-M636

Features:

- High efficiency multi crystalline silicon solar cells.
- All material of Lamination are UL approved.
- High transmission textured toughened glass.
- Module as per IEC-61215(2005) & IEC-61730 safety class. Salt Mist Test, IEC-61701.
- Suitable for off-grid & grid connected systems.
- Bypass diodes to reduce the effect of partial shading of modules.
- Narrow power tolerance for minimizing losses due to module power mismatch in an array.
- Junction box provided with cables and connectors for quick and safe installation.
- High quality screwless anodized aluminum frame to provide structural strength to the laminate.

Typical Electrical Characteristics*:

Module Type	JJ-M636		
Maximum Power [P _m (W _p)]	140	145	150
Power tolerance [%]	± 3	± 3	± 3
Maximum Power Voltage [V _{mp} (V)]	17.12	17.54	18.06
Maximum Power Current [I _{mp} (A)]	8.18	8.27	8.31
Open Circuit Voltage [V _{oc} (V)]	22.08	22.27	22.64
Short Circuit Current [I _{sc} (A)]	8.53	8.70	8.77
Module Efficiency [%]	14.24	14.75	15.26

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

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

Thermal Characterstics:

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)	36 pcs/Multicrystalline/4 x 9/156 mm x 156 mm
Junction Box	TUV approved, IP65 rated 3 terminal junction box with 2 by-pass diodes (10 A, Schottky)
Cable (length/size)	1000 mm/ 4.0mm ²
Connectors	MC4 type +Ve and -Ve
Dimensions (LxWxH)	1478 mm x 665 mm x 35 mm (± 1 mm)
Weight	12 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% : 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.

