

## SOLAR MODULE : INV6Q

### Electrical Data at 1000 W/m<sup>2</sup>, 25 °C and AM 1.5 (STC in Accordance with EN 60904B)

Maximum Power P <sub>mp</sub> [Wp]	50
Maximum Power Tolerance (%)	±5%
Voltage at maximum Power V <sub>mp</sub> [V]	18.06
Open circuit Voltage V <sub>oc</sub> [V]	21.94
Current at maximum Power I <sub>mp</sub> [A]	2.77
Short circuit Current I <sub>sc</sub> [A]	2.99
Module Efficiency [%]	15.9

### Temperature coefficients

NOCT	45°C±2
Temperature coefficient : Rated Power	-0.43%/°C
Temperature coefficient : Voltage (Voc)	-0.34%/°C
Temperature coefficient : Current (Isc)	+0.04%/°C

### Operating conditions

Maximum System Voltage (VDC)	1000
Limiting reverse current (A)	20
Operating temperature range (°C)	-40 to +85

### Mechanical Data

Number of cells & Type	36 Cells - Polycrystalline
Module dimension (L) x (W) x (D) in mm	565 x 655 x 35
Mounting Dimension c/c (L) x (W) in mm	350 x 620
Weight	4.8 Kgs
Superstrate - Toughened Glass	High Transmission, Low-iron 3.2 Thk.
Encapsulant	EVA
Substrate	Composite film, White
Junction Box	PPO, 2 Rail with IP 65
Cable Connector	MC4 Compatible, 4Sq.mm

### Warranty & Certificates

Product Warranty	5 Years
Performance Warranty on output	90% up to 10 years 80% next 15 years
Certificates	IEC 61215, IEC 61701 and IEC 61730

Warranties are subject to the Terms and Conditions as per INNOVTIVE Solar Solutions Warranty document

