

2. Electrical Data (Nominal Module Operating Temperature)

Nominal Max. Power (Pmax):	412 W
Opt. Operating Voltage (Vmp):	39.1 V
Opt. Operating Current (Imp):	10.55 A
Open Circuit Voltage (Voc):	46.9 V
Short Circuit Current (Isc):	11.29 A

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

3. Mechanical Data

Cell Type:	Mono-crystalline
Cell Arrangement:	144 [2 x (12 x 6)]
Dimensions:	2261 * 1134 * 35 mm (89.0 * 44.6 * 1.38 in)
Weight:	27.8 kg (61.3 lbs)
Front Cover:	3.2 mm tempered glass with anti-reflective coating
Frame:	Anodized aluminum alloy
J-Box:	IP68, 3 bypass diodes
Cable:	4 mm ² (IEC), 12 AWG (UL)
Cable Length (Including Connector):	410 mm (16.1 in) (+) / 290 mm (11.4 in) (-) or customized length
Connector:	T4 series or MC4-EVO2

4. Temperature Characteristics

Temperature Coefficient (Pmax):	-0.34 % / °C
Temperature Coefficient (Voc):	-0.26 % / °C
Temperature Coefficient (Isc):	0.05 % / °C
Nominal Module Operating Temperature:	41 ± 3°C

G. Warranty

1. **Solar PV Modules** – twenty-five (25) years linear performance warranty and a ten (10) year product warranty on materials
2. **Inverters** – ten (10) years warranty
3. **Workmanship** – one (1) year workmanship guarantee against faults and defects in relation to installing the system or the operation and performance of the system. Repair or replacement of any defect within the warranty period including replacement of all part of the system where necessary within a reasonable time frame.