

Photovoltaic Modules MULTICRYSTALLINE 60P156



Main Features

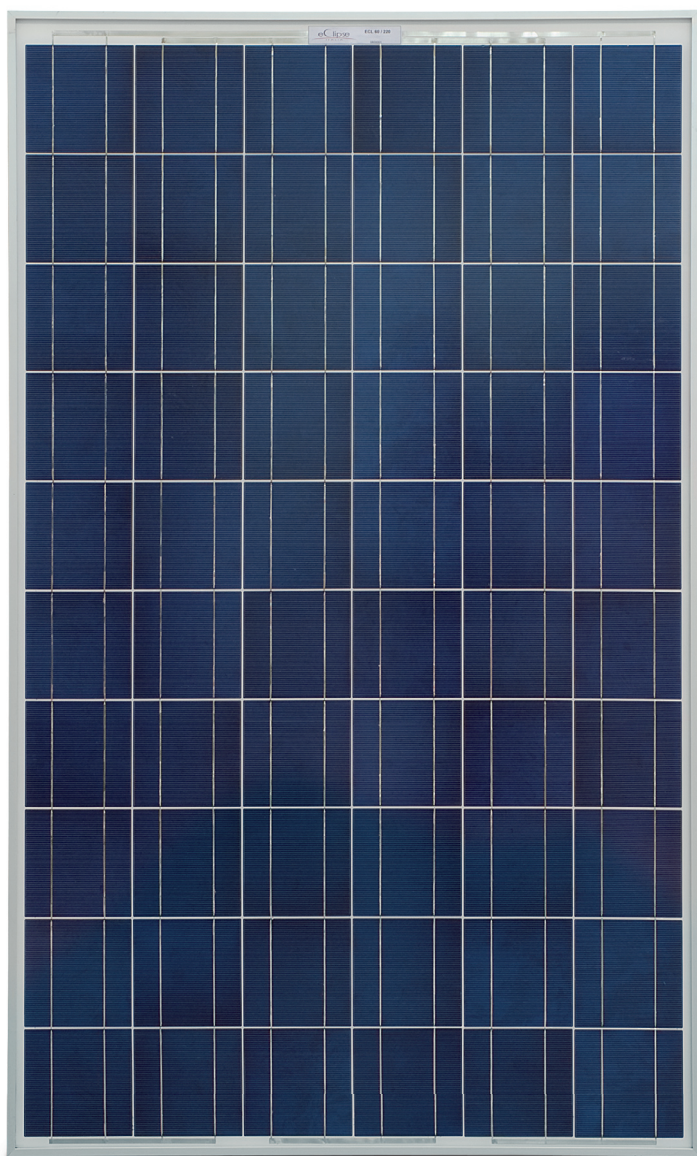
- 1. PV Cells:** high power 156mm x 156mm multicrystalline silicon.
- 2. Front:** high transmittance tempered glass (4mm thickness).
- 3. Encapsulation:** EVA pottant, UV stabilised
- 4. Back:** PYE
- 5. Junction Box:** IP 65 waterproof junction box fitted with 3 bypass diodes for effective protection against hot spots. Fast connectors for easy installation.

Warranty

- 90% rated power output for 10 years
- 80% rated power output for 25 years
- 10-year product warranty

Certifications

- Modules Qualified according to: IEC 61215 ed.II
- Modules Qualified according to: IEC 61730
- According to the requirements GSE 07/2011 MADE IN EU



Parameters	Characteristics
PV Cells	Multicrystalline Silicon 156x156mm
Number of cells	60
Typical Application	24 V DC
Maximum Voltage	1000 V DC
Size LxWxH	1598x798x40 mm
Weight	17 Kg
Thickness front glass	4 mm
Operating Temperature	-40°C +85°C
Hail diameter at 80 Km/h	25 mm max
Continuous wind pressure	197 Km/h max
Snow pressure	551 Kg/m ² max
Connections	TYCO junctions box item 1740699-6 with TYCO connectors 1394461/2 and 4 mm ² , 2-cable TYCO ZHSCT l=1 m
Application Class	A, safety class II

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Electric Characteristics*

Model	Rated Power	Tolerance	Max Vm Voltage	Max Im Current	Voc Open Circuit	Isc Short Circuit	Efficiency
SOL 210 P	210 Wp	±2,5W	28,70 V	7,32 A	37,78 V	7,94 A	12,65%
SOL 215 P	215 Wp	±2,5W	28,83 V	7,46 A	37,90 V	8,08 A	12,95%
SOL 220 P	220 Wp	±2,5W	28,95 V	7,60 A	38,46 V	8,22 A	13,26%
SOL 225 P	225 Wp	±2,5W	29,07 V	7,74 A	38,60 V	8,36 A	13,56%
SOL 230 P	230 Wp	±2,5W	29,20 V	7,88 A	38,75 V	8,50 A	13,86%
SOL 235 P	235 Wp	±2,5W	29,33 V	8,02 A	38,99 V	8,63 A	14,16%
SOL 240 P	240 Wp	±2,5W	29,44 V	8,16 A	39,14 V	8,77 A	14,46%
SOL 245 P	245 Wp	±2,5W	29,55 V	8,30 A	39,26 V	8,91 A	14,76%

* **Measurement Conditions:** the electrical specifications are measured under an irradiance level of 1000 W/m², 1,5 Air Mass Spectrum, cell temperature of 25°C.

Operative Characteristics

Parameters	Value
Voltage Temperature Coefficient	-128,4 mV/°C
Power Temperature Coefficient	-1,01 W/°C
Current Temperature Coefficient	+4,93 mA/°C
NOCT (Nominal Operating Cell Temperature)	46 °C

