

156M72 PHOTOVOLTAIC MODULES MONOCRYSTALLINE



PROPERTIES

Photovoltaic module manufactured with 72 high efficiency monocrystalline cells for grid-connected or stand-alone plants.

WARRANTY

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

CERTIFICATES

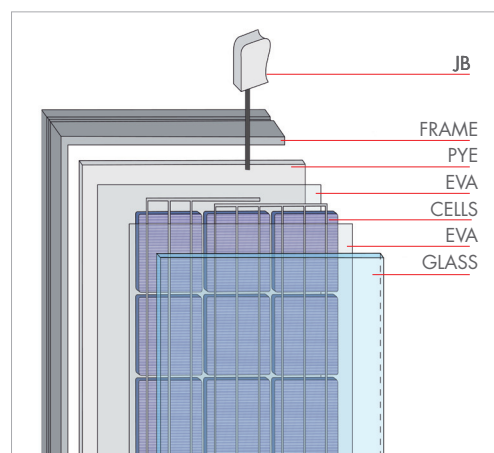
Modules certified according to: IEC 61215 ed.III
Modules certified according to: IEC 61730
Conformity to the requirements: V CONTO ENERGIA DM 05/07/2012
ART. 5 COMMA 2 MADE IN EU

STRUCTURAL PROPERTIES

Size LxWxH	1956mm x 992mm
Weight	24 kg
Cells type	72 monocrystalline silicon cells with high efficiency
Ribbon	Bus bars of copper, tin and silver
Front glass	A/R tempered glass, 3,2 mm thickness
Encapsulation	EVA (Ethilene-vinyl acetate), UV stabilised
Backsheet	Multilayer polyester-based
Frame	Alluminium alloy EN AW-6060T6 anodized 15 microns, thickness 40 mm
Junction box	Ip 67 waterproof junction box fitted with 3 bypass diodes for effettive protection against "hot spots"
Connectors	2 cables long 1 mt section 4 mm with Tyco or MC4 connector

CONDITION OF USE

Typical application	24 V DC
Maximum voltage	1000 V DC
Operating temperature	-40°C+85°C
Impact resistance to hail	Ø 25 mm at 80 km/h
Wind	197 km/h max
Snow	551 kg/mq max
Application class	A, safety class II



156M72 PHOTOVOLTAIC MODULES MONOCRYSTALLINE

eclipse
ITALIA

ELECTRICAL CHARACTERISTICS*

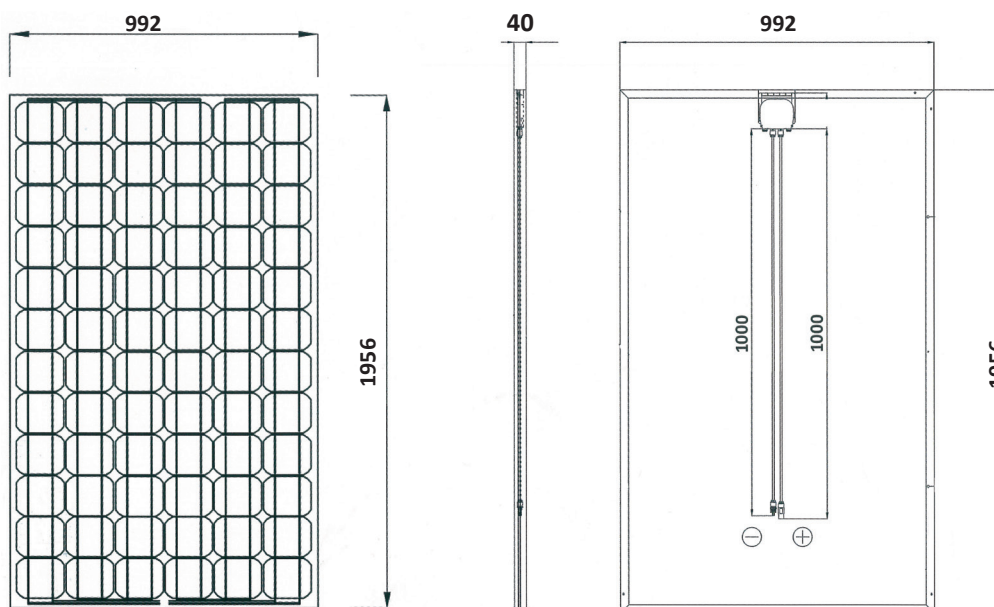
Model	350W	355W	360W
Power tolerance	0%/+5W	0%/+5W	0%/+5W
Maximum power voltage (Vmp)	37,71V	37,82	37,93V
Maximum power current (Imp)	9,32A	9,43A	9,54A
Open circuit voltage (Voc)	46,21V	46,32V	46,43V
Short circuit current (Isc)	9,87A	9,92A	10,03A
Module efficiency	18,04%	18,30%	18,55%
Maximum series fuse	15A	15A	15A
Maximum system voltage	1000V DC(IEC)/1000V DC(UL)		

*measurement conditions: the electrical specifications are measured under an irradiance level of 1000 W/mq, 1,5 Air mass Spectrum, cell temperature of 25°C.

OPERATING CHARACTERISTICS

Pmax temperature coefficient	-0.41±0.02% / °C
Voc temperature coefficient	-0.30±0.02% / °C
Isc temperature coefficient	+0.04±0.01% / °C
Operating temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

TECHNICAL DRAWING



ECLIPSE ITALIA srl

Registered office: 20121 Milano, Corso Venezia, 3 - Italy · Offices and production: 25078 Nozza di Vestone (BS) - Loc. Merlaro - Italy
Tel. +39 0365 870843 · Fax. +39 0365 870851 · P.IVA 06212530965 · www.eclipseitalia.com · info@eclipseitalia.com

