

# 125M72 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

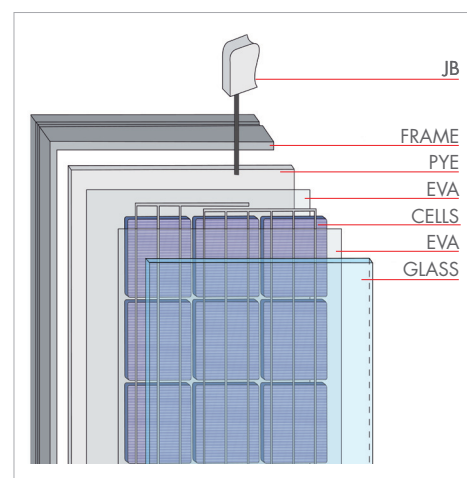
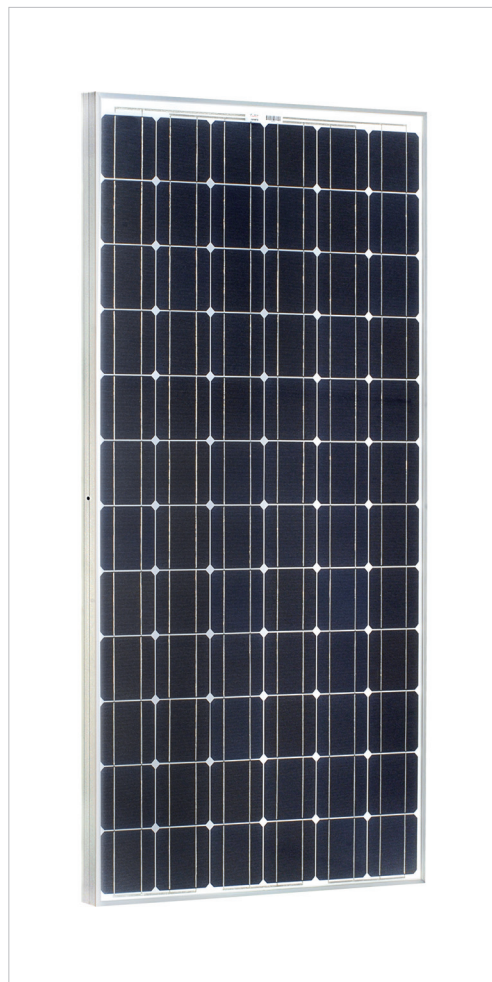
Modules are certified according to: IEC 61215 ed.II  
Modules are certified according to: IEC 61730  
Conformity to the requirements: V CONTO ENERGIA DM 05/07/2012  
ART. 5 COMMA 2 MADE IN EU

## STRUCTURAL PROPERTIES

Size LxWxH	1598mmx798mm
Weight	17 kg
Cells type	72 monocrystalline silicon cells with high efficiency
Cells dimensions	125x125mm "pseudo square"
Ribbon	Bus bars of copper, tin and silver
Front Glass	Prismatic tempered glass high light transmittance, 4mm thickness, class U1
Encapsulation	EVA (Ethilene.vinyl acetate), UV stabilised
Backsheet (PYE)	PYE (Multilayer polyester-based)
Frame	Alluminium alloy EN AW-6060T6 anodized 15 microns, thickness 40 mm
Junction box	1p 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



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**eclipse**  
ITALIA

## ELECTRICAL CHARACTERISTICS\*

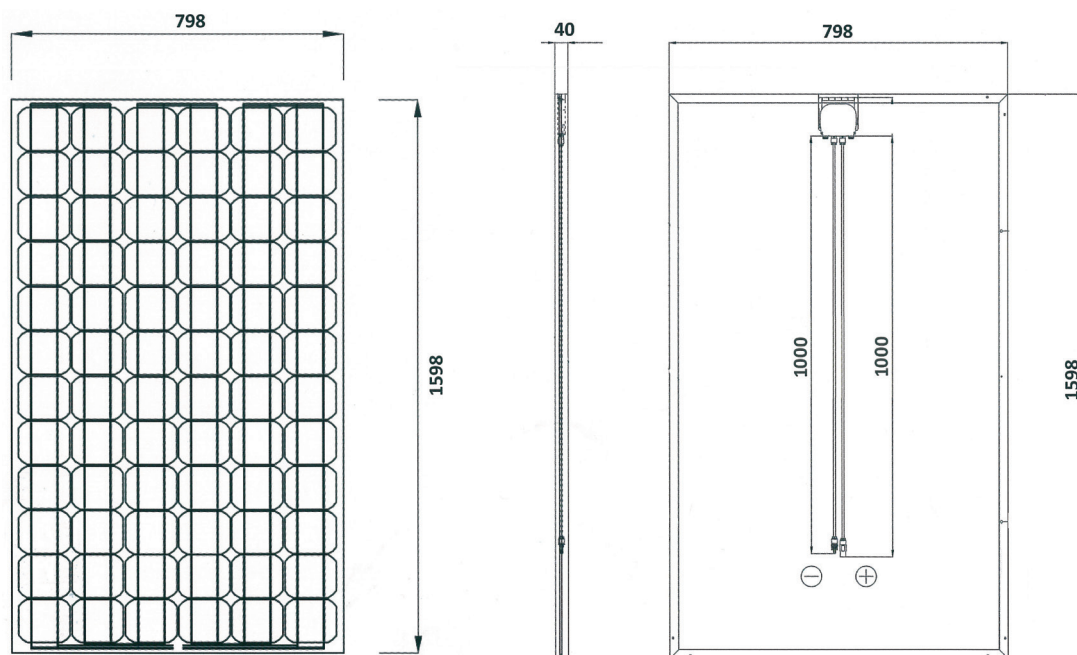
Modules	SOL 175 H	SOL 180 H	SOL 185 H	SOL 190 H	SOL 195 H	SOL 200 H
Module power (P Max)	175 Wp	180 Wp	185 Wp	190 Wp	195 Wp	200 Wp
Power tolerance	± 2,5 W	± 2,5 W	± 2,5 W	± 2,5 W	± 2,5 W	± 2,5 W
Maximum power voltage (Vpm)	35,7 V	35,8 V	35,9 V	36,0 V	36,1 V	36,2 V
Maximum power current (Ipm)	4,91 A	5,04 A	5,17 A	5,27 A	5,40 A	5,57 A
Open circuit current (Voc)	45,30 V	45,45 V	45,75 V	45,95 V	46,15 V	46,35 V
Short circuit current (Isc)	5,30 A	5,46 A	5,51 A	5,61 A	5,75 A	5,99 A
Module efficiency	13,72%	14,12%	14,51%	14,90%	15,29%	15,68%

\*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

		U.M.
Voltage Temperature Coefficient (Voc)	- 151	mV/°C
Power temperature Coefficient (Pmp)	- 0,81	W/°C
Current Temperature Coefficient (Isc)	+ 3	mA/°C
NOCT (Nominal Operating Cell Temperature)	44,4	°C

## TECHNICAL DRAWING



The information shown in the sheet may change without notice as the result of technical updating.

Ufficio Marketing Eclipse - Scheda 125M72 - R1 (01/17)

**CE**  
**cobat**

## ECLIPSE ITALIA srl

Sede legale: 20121 Milano, Corso Venezia, 3 · Stabilimento e produzione: 25078 Nozza di Vestone (BS) - Loc. Merlaro  
Tel. +39 0365 870843 · Fax. +39 0365 870851 · P.IVA 06212530965 · www.eclipseitalia.com · info@eclipseitalia.com