

156P36

PHOTOVOLTAIC MODULES

POLICRYSTALLINE

eclipse
ITALIA

PROPERTIES

Photovoltaic module manufactured with 36 high efficiency polycrystalline 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

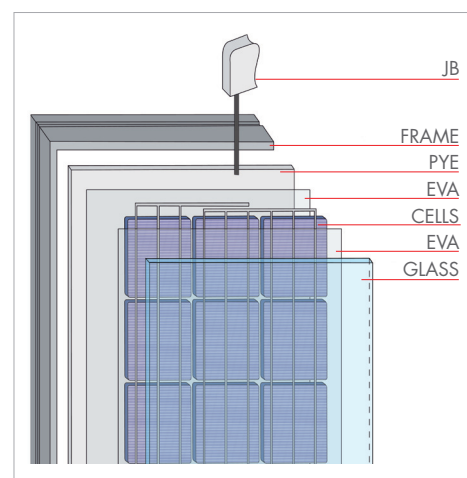
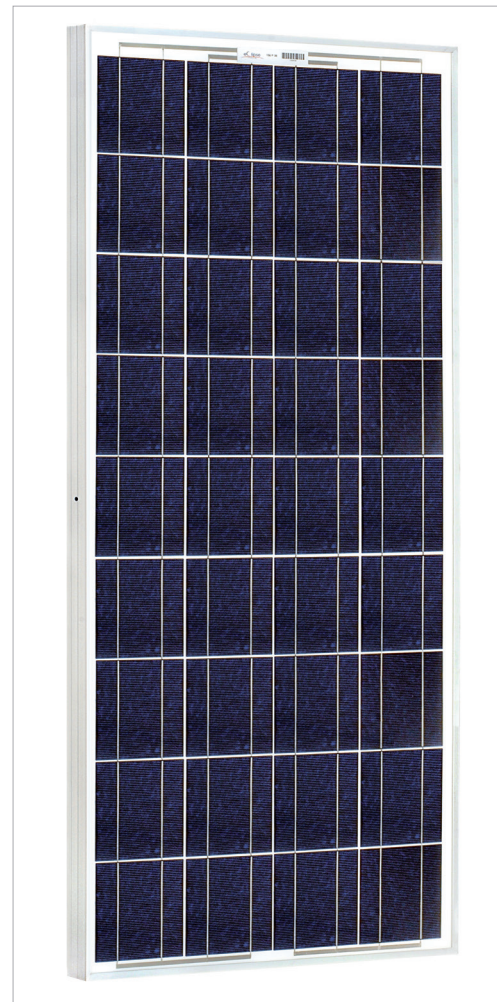
Modules are certified according to: IEC 61215 ed.II
Modules are certified according to: IEC 61730
Conformity to the requirements: V CONTO ENERGIA DM 05/07/2012
ART. 5 COMMA 2 MADE IN EU

STRUCTURAL PROPERTIES

Size LxWxH	1506mmx687mm
Weight	11 kg
Cells type	36 polycrystalline silicon cells with high efficiency
Cells dimensions	156x156mm
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 35 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	12 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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ELECTRICAL CHARACTERISTICS*

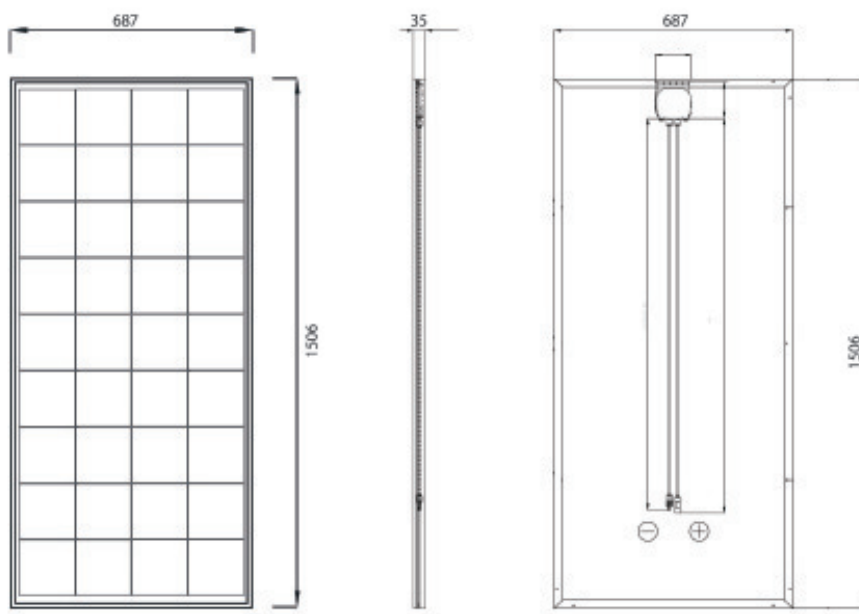
Modules	SOL 115 P	SOL 120 P	SOL 125 P	SOL 130 P	SOL 135 P	SOL 150 P
Module power (P Max)	115 Wp	120 Wp	125 Wp	130 Wp	135 Wp	150 Wp
Power tolerance	± 2,5 W	± 2,5 W	± 2,5 W	± 2,5 W	± 2,5 W	± 2,5 W
Maximum power voltage (Vpm)	16,90 V	16,92 V	16,95 V	16,98 V	17,00 V	18,01 V
Maximum power current (Ipm)	6,80 A	7,10 A	7,37 A	7,65 A	7,94 A	8.33 A
Open circuit current (Voc)	21,50 V	21,70 V	21,90 V	22,10 V	22,30 V	22,90 V
Short circuit current (Isc)	7,3 A	7,6 A	8,0 A	8,2 A	8,5 A	8,81 A
Module efficiency	11,12%	11,60%	12,08%	12,56%	13,05%	14.49%

*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)	- 128,4	mV/°C
Power temperature Coefficient (Pmp)	- 1,01	W/°C
Current Temperature Coefficient (Isc)	+ 4,93	mA/°C
NOCT (Nominal Operating Cell Temperature)	46	°C

TECHNICAL DRAWING



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

CE
cobat

Ufficio Marketing Eclipse - Scheda 156P36 - R1 (01/17)

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