

# ECLXXX<sub>M2</sub> PHOTOVOLTAIC MODULES MONOCRYSTALLINE 72 CELLS

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## 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:

EC-EN 61215-1:2016 / IEC-EN 61215-1-1:2016  
IEC 61215-2:2016 – EN 61215-2:2017  
IEC 61730-1:2016 – EN IEC 61730-1:2018  
IEC 61730-2:2016 – EN IEC 61730-2:2018

## STRUCTURAL PROPERTIES

Size LxWxH	1957 mm x 992 mm
Weight	21,5 kg
Cells type	72 monocrystalline silicon cells with high efficiency - M2
Ribbon	Bus bars of copper, tin and silver
Front glass	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 with section 4 mm with MC4 or other connector

## CONDITION OF USE

Typical application	24 V DC
Maximum voltage	1500 V DC
Operating temperature	-40°C+85°C
Impact resistance to hail	Ø 28 mm at 86 km/h
Snow	551 kg/mq max
Application class	A, safety class II



# ECLXXXm2

## PHOTOVOLTAIC MODULES

### MONOCRYSTALLINE 72 CELLS

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#### ELECTRICAL CHARACTERISTICS\*

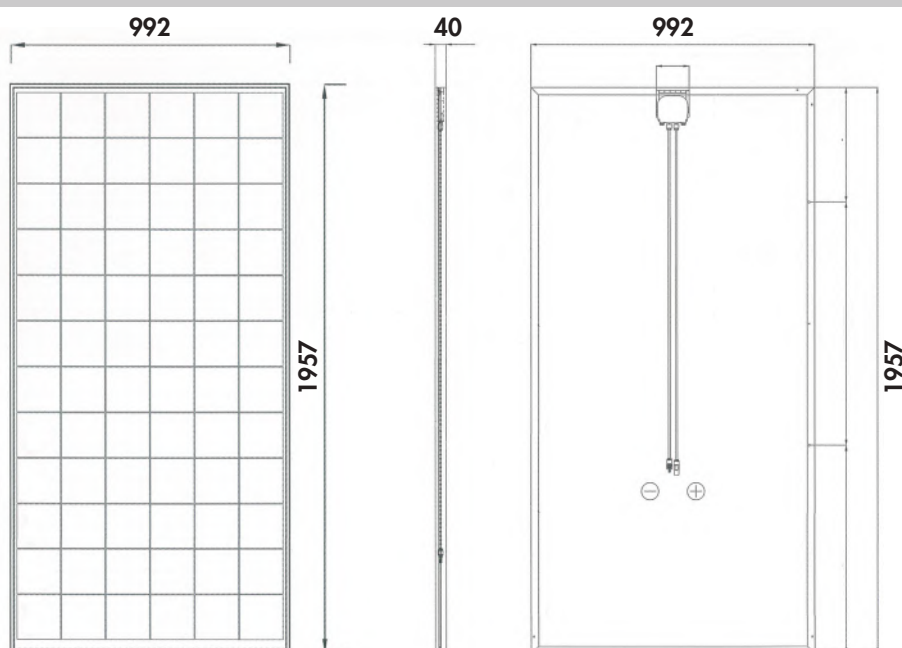
Model	ECL355m2	ECL360m2	ECL365m2	ECL370m2
Module power (Pmax)	355 Wp	360 Wp	365 Wp	370 Wp
Power tolerance	-0/+5 W	-0/+5 W	-0/+5 W	-0/+5 W
Maximum power voltage (Vmp)	38,45 V	38,71 V	38,87 V	39,03 V
Maximum power current (Imp)	9,23 A	9,30 A	9,39 A	9,48 A
Short circuit current (Isc)	9,67 A	9,79 A	9,89 A	9,99 A
Open circuit voltage (Voc)	47,09 V	47,48 V	47,70 V	47,91 V
Module efficiency	18,28%	18,54%	18,80%	19,05 %
Maximum series fuse	16 A	16 A	16 A	16 A
Maximum system voltage	1500 V DC(IEC)/1500 V 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

		U.M.
Voc temperature coefficient	-0,40%	°C
Pmp temperature coefficient	-0,32%	°C
Isc temperature coefficient	+0,05%	°C
Nominal Operating Cell Temperature (NOCT)	45±2	°C

#### TECHNICAL DRAWING



Le dimensioni riportate nella scheda potranno essere variate senza preavviso a seguito di aggiornamento tecnico.

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