

ECLXXXM3

PHOTOVOLTAIC MODULES

MONOCRYSTALLINE

60 CELLS M3



PROPERTIES

Photovoltaic module manufactured with 60 high efficiency M3 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	1665 mm x 1002 mm
Weight	20 kg
Cells type	60 monocrystalline silicon cells with high efficiency - M3
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



ECLXXXm3

PHOTOVOLTAIC MODULES

MONOCRYSTALLINE

60 CELLS M3

eclipse
ITALIA

ELECTRICAL CHARACTERISTICS*

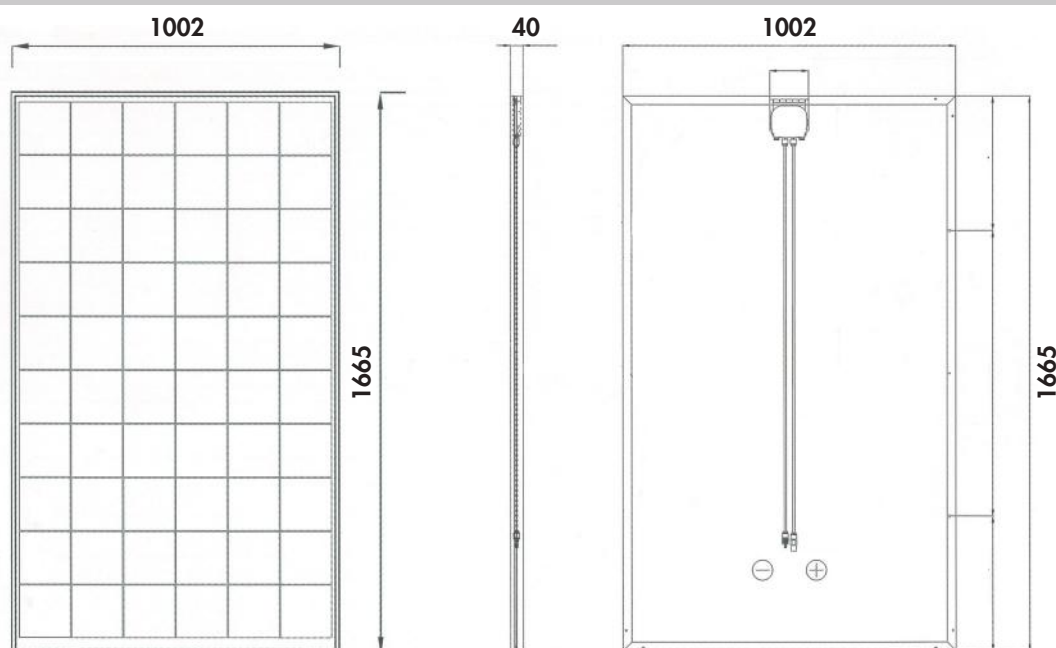
Model	ECL320m3	ECL330m3	ECL335m3	ECL340m3
Module power (Pmax)	320 Wp	330 Wp	335 Wp	340 Wp
Power tolerance	-0/+5 W	-0/+5 W	-0/+5 W	-0/+5 W
Maximum power voltage (Vmp)	32,80 V	33,24 V	33,46 V	33,68 V
Maximum power current (Imp)	9,76 A	9,93 A	10,02 A	10,10 A
Short circuit current (Isc)	10,23 A	10,48 A	10,61 A	10,73 A
Open circuit voltage (Voc)	40,38 V	40,72 V	40,89 V	41,06 V
Module efficiency	19,18%	19,78%	20,08%	20,38%
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.

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

CE

