

ECLXXM6HC PHOTOVOLTAIC MODULES MONOCRYSTALLINE 120 HALF CUT CELLS

eclipse
ITALIA

PROPERTIES

Photovoltaic module manufactured with 120 high efficiency monocrystalline half cut 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	1755 mm x 1038 mm
Weight	20 kg
Cells type	120 monocrystalline silicon half cut cells with high efficiency - M6
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 35 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



ECLXXM6HC PHOTOVOLTAIC MODULES MONOCRYSTALLINE 120 HALF CUT CELLS

eclipse
ITALIA

ELECTRICAL CHARACTERISTICS*

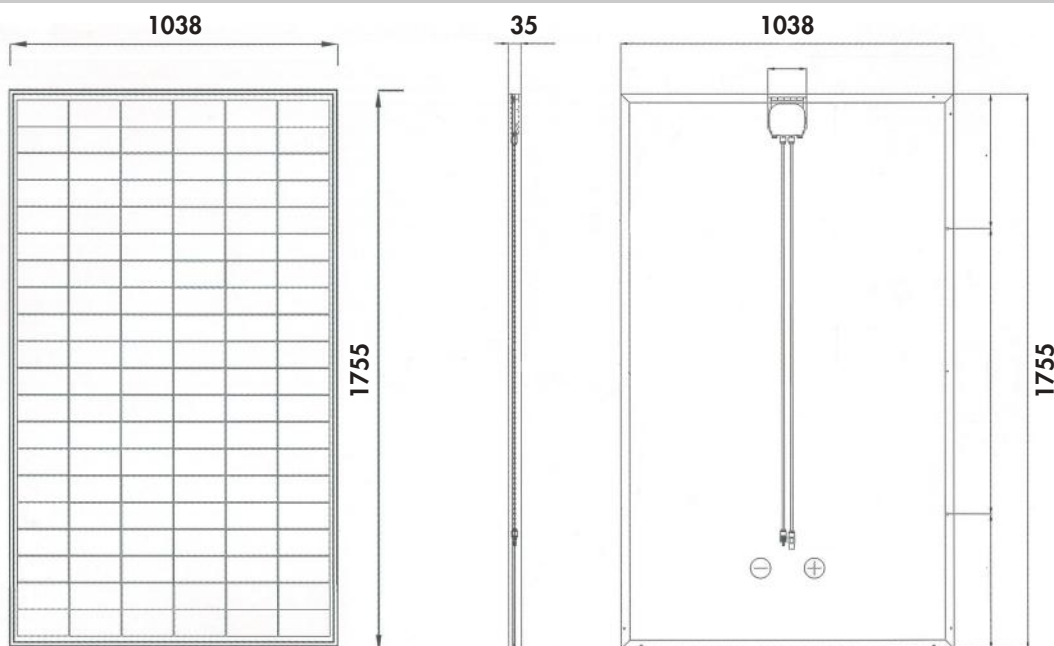
Model	ECL375M6HC	ECL380M6HC	ECL385M6HC
Module power (Pmax)	375 Wp	380 Wp	385 Wp
Power tolerance	-0/+5 W	-0/+5 W	-0/+5 W
Maximum power voltage (Vmp)	34,63 V	34,84 V	35,04 V
Maximum power current (Imp)	10,83 A	10,91 A	10,99 A
Short circuit current (Isc)	11,32 A	11,40 A	11,48 A
Open circuit voltage (Voc)	41,49 V	41,69 V	41,96 V
Module efficiency	20,58%	20,86%	21,13%
Maximum series fuse	20 A	20 A	20 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

