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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Sunerg Solar S.r.l.  
X-CLASSIC  
XM60/156-305C+**

Also available on the web at  
[EnergyPal.com/sunerg-solar-s-r-l-solar-panels/xm60-156-305c](http://EnergyPal.com/sunerg-solar-s-r-l-solar-panels/xm60-156-305c)



# X-CLASSIC Monocrystalline

300 - 305 - 310 - 315 - 320 Wp



PERC Mono Cells



Voltage system 1500 V<sub>DC</sub>



Fire reaction Class 1 rating



Only positive tolerance 0/+3%



High Mechanical Load Capability



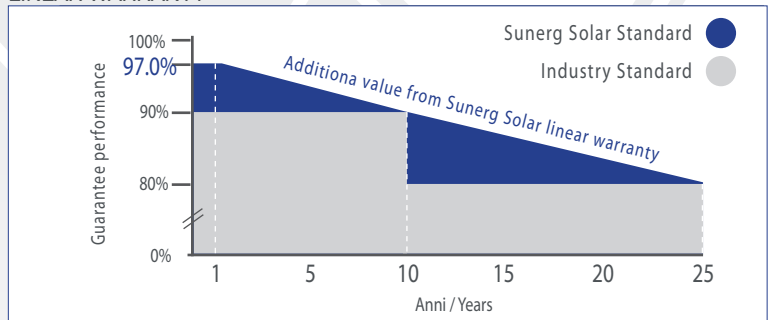
Product warranty



Linear warranty

X-CLASSIC is one of a wide range of products made by SUNERG. It is manufactured according to IEC 61215, IEC 61730 and CE standards.

LINEAR WARRANTY



Look Warranty terms

**CORRESPOND TO**

IEC 61215 | EN 61730 | PV CYCLE | UNI9177 cl.1 | CE |

UNI EN ISO 9001:2008 | Quality management system  
 UNI EN ISO 14001:2004 | Standards for environmental management system  
 UNI EN BS OHSAS 18001:2007 | International standards for occupational health and safety

## ELECTRICAL DATA (STC)

		XM60/156-300C+	XM60/156-305C+	XM60/156-310C+	XM60/156-315C+	XM60/156-320C+
Open circuit Voltage	(Voc)	39.88 V	40.16 V	40.44 V	40.72 V	41.00 V
Voltage a Pmax.	(Vmp)	32.95 V	33.23V	33.52 V	33.80 V	34.08 V
Short-circuit current	(Isc)	9.60 A	9.68 A	9.76 A	9.84 A	9.91 A
Current at Pmax.	(Imp)	9.11 A	9.18 A	9.25 A	9.32 A	9.39 A
Peak Power (Pmax) Tolerance 0/+3%		300 Wp	305 Wp	310 Wp	315 Wp	320 Wp
Module Efficiency		18.46%	18.77%	19.07%	19.38%	19.69%
Maximum voltage		1500 VDC	1500 VDC	1500 VDC	1500 VDC	1500 VDC
Maximum series fuse rating		15A	15A	15A	15A	15A
Operating Temperature		-40°C - +85°C	-40°C - +85°C	-40°C - +85°C	-40°C - +85°C	-40°C - +85°C

Tolerance electric measurement ±3%

### \* STC (Standard test conditions)

Irradiance 1000 w/m<sup>2</sup>, module temperature 25°C, AM= 1.5

## TEMPERATURE COEFFICIENT

Pmax Temperature Coefficient	-0.40%/°C
Voc Temperature Coefficient	-0.31%/°C
Isc Temperature Coefficient	0.05%/°C
Nominal Operating Cell Temperature (NOCT)	42±3°C

## MECHANICAL CHARACTERISTIC

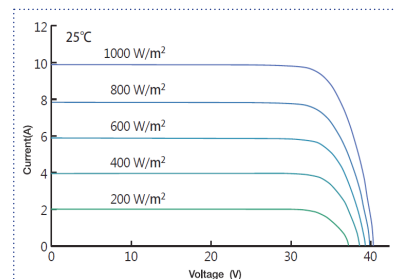
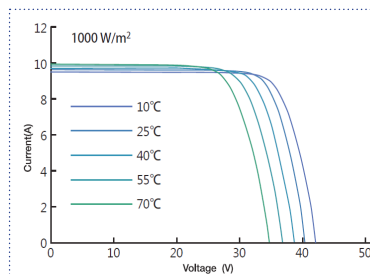
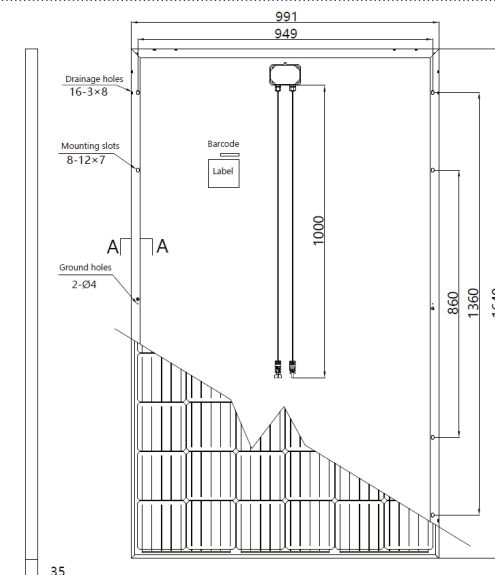
Number of cells	60 Type: Mono
Dimensions (mm)	1640x991x35
Weight	18.2 Kg

## PACKING SPECIFICATIONS

Packing type	40HC
Pieces/pallet	30
Pallet/container	28
Piece/container	840

## GENERAL INFORMATIONS

Maximum surface load	5400 Pa
Glass	3.2 mm tempered glass
Frame	Silver Anodized Aluminum alloy
Output Cable	Cable 1x4mm <sup>2</sup> , 900 mm
Jnction box - Connectors	3 diodes, IP67 - MC4 / MC4 Compatible



Sunerg Solar S.r.l. reserves the right to make changes to the technical data of the product without prior notice.

The technical details of the form, although included with the utmost care, may contain errors or inaccuracies not attributable to Sunerg Solar S.r.l.