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# **EnergyPal**

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

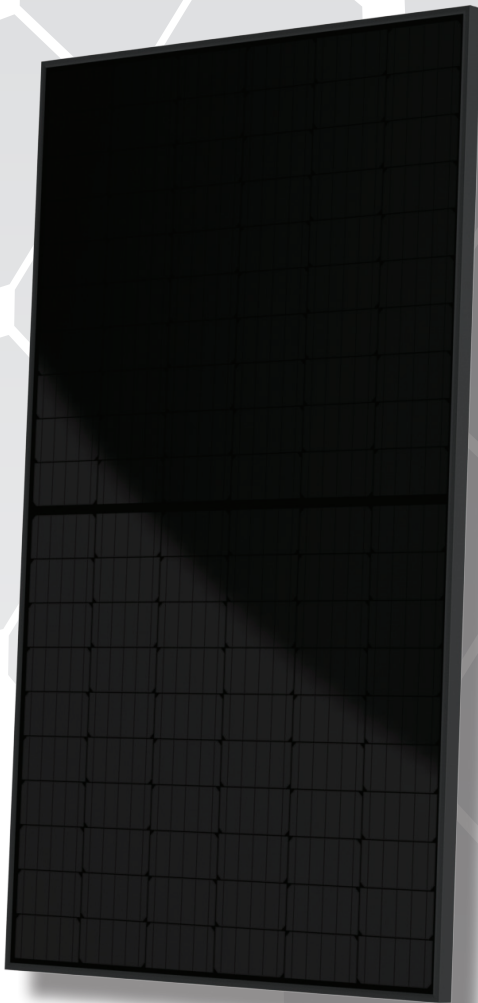
**Sunerg Solar S.r.l.  
X-HALF CUT  
XMHC60340B+**

Also available on the web at  
[EnergyPal.com/sunerg-solar-s-r-l-solar-panels/xmhc60340b](http://EnergyPal.com/sunerg-solar-s-r-l-solar-panels/xmhc60340b)



# X-HALF CUT Monocrystalline

320 - 330 - 335 - 340 Wp



Half-cut PERC mono cells



Cell connections coated black



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



Fire reaction Class 1 rating



0/+3%

Only positive tolerance



12  
YEARS

Product Warranty

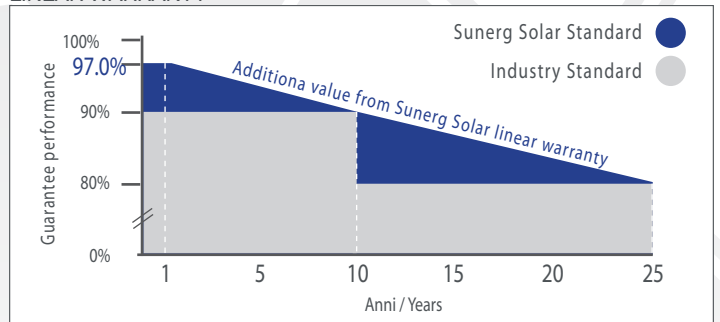


25  
YEARS

Linear Warranty

X-HALF CUT is one of a wide range of SUNERG's product. It is manufactured according to IEC 61215, IEC 61730 and CE standards.

### LINEAR WARRANTY



### CORRESPOND TO

IEC 61215 | IEC 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)		XMHC60320B+	XMHC60325B+	XMHC60330B+	XMHC60335B+	XMHC60340B+
Open circuit Voltage	(Voc)	41.00 V	41.26 V	41.53 V	41.78 V	42.01 V
Voltage a Pmax.	(Vmp)	34.08 V	34.36 V	34.63 V	34.90 V	35.17 V
Short-circuit current	(Isc)	9.91 A	9.99 A	10.08 A	10.16 A	10.24 A
Current at Pmax.	(Imp)	9.39 A	9.46 A	9.53 A	9.60 A	9.67 A
Peak Power (Pmax) Tolerance 0/+3%		320 Wp	325 Wp	330 Wp	335 Wp	340 Wp
Module Efficiency		18.98%	19.28%	19.57%	19.87%	20.17%
Maximum voltage		1500 V DC	1500 V DC	1500 V DC	1500 V DC	1500 V DC
Maximum series fuse rating		20A	20A	20A	20A	20A
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**

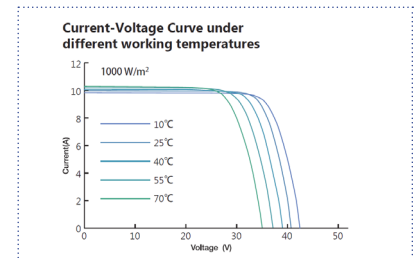
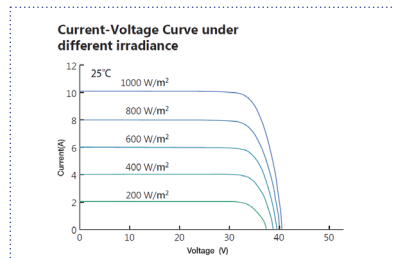
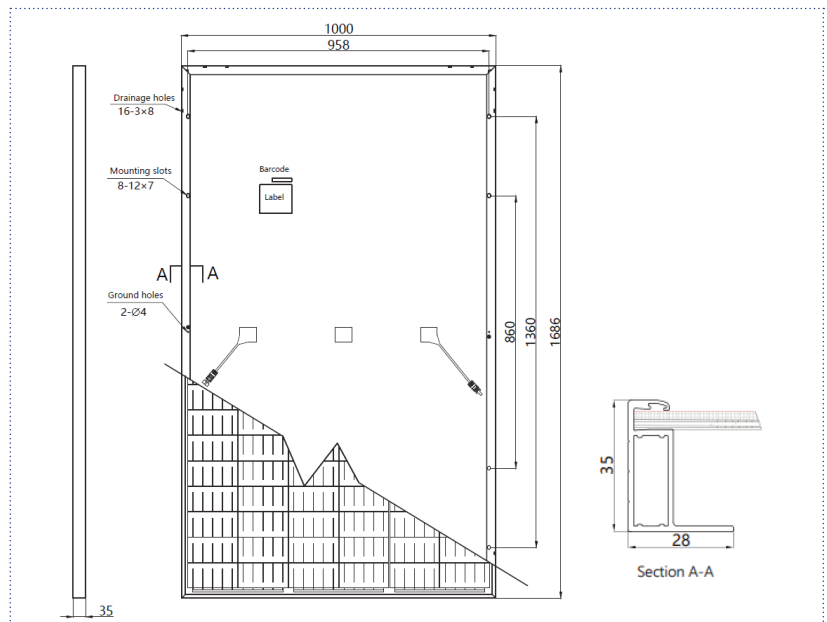
NMOT	41°C±3°C
Pmax Temperature Coefficient	-0.38%/ °C
Voc Temperature Coefficient	-0.31%/ °C
Isc Temperature Coefficient	0.05% / °C

**MECHANICAL CHARACTERISTIC**

Dimensions (mm)	1686 x 1000 x 35
Weight (Kg)	19.5

**PAKAGING CONFIGURATION**

	Container 40HQ
Pc. per pallet	30
Pallet per container	26
Pc. per container	780



**GENERAL INFORMATION**

Glass	3.2mm High transmissions ,low iron Tempered glass
Frame	Black Anodized Aluminum alloy
Juntion Box	IP67, 3 Bypass diodes
Output Cable - connectors	4.0mm <sup>2</sup> , lenght 1160 mm - 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.