

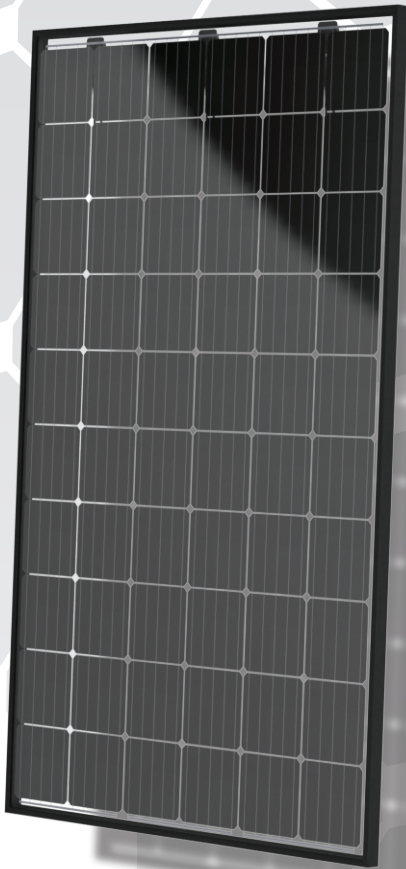


Special version for Belgian Market

E Series

# X-DIAMOND Monocrystalline

280 - 285 - 290 - 295 - 300 Wp



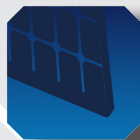
Mono PERC cells



Double glass technology



Plus only tollerance -0/+3%



With aluminum frame



High resistance to snow / wind loads



Maximum resistance to environmental factors



Product warranty



EXTRA linear warranty

The photovoltaic modules X-DIAMOND is one of a wide range of products made by Sunerg and It is manufactured according to IEC 61215, IEC 61730 standard and CE. They are characterized by mono PERC cells and double glass technology.

**CORRESPOND TO**

IEC 61215-ed2 | EN 61730-1 | EN 61730-2 | PV CYCLE | 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)		XM60280DGB+E30	XM60285DGB+E30	XM60290DGB+E30	XM60295DGB+E30	XM60300DGB+E30
Open circuit voltage	(Voc)	38.71 V	38.97 V	39.18 V	39.26 V	39.46 V
Voltage at Pmax	(Vmp)	31.50 V	31.72 V	31.94 V	32.14 V	32.33 V
Short-circuit current	(Isc)	9.43 A	9.52 A	9.64 A	9.72 A	9.80 A
Current at Pmax.	(Imp)	8.89 A	8.99 A	9.08 A	9.18 A	9.28 A
Peak Power (Pmax) Tolerance 0/+3%		280 Wp	285 Wp	290 Wp	295 Wp	300 Wp
Module Efficiency		17.00 %	17.30 %	17.60%	17.90%	18.20%
Maximum voltage		1500 V DC	1500 V DC	1500 V DC	1500 V DC	1500 V DC
Maximum series fuse rating		15 A	15 A	15A	15 A	15 A
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 -0.43%/°C

Voc Temperature coefficient -0.325%/°C

Isc Temperature coefficient 0.04%/°C

**MECHANICAL CHARACTERISTIC**

Dimensions (mm) 1664 x 998 x 30

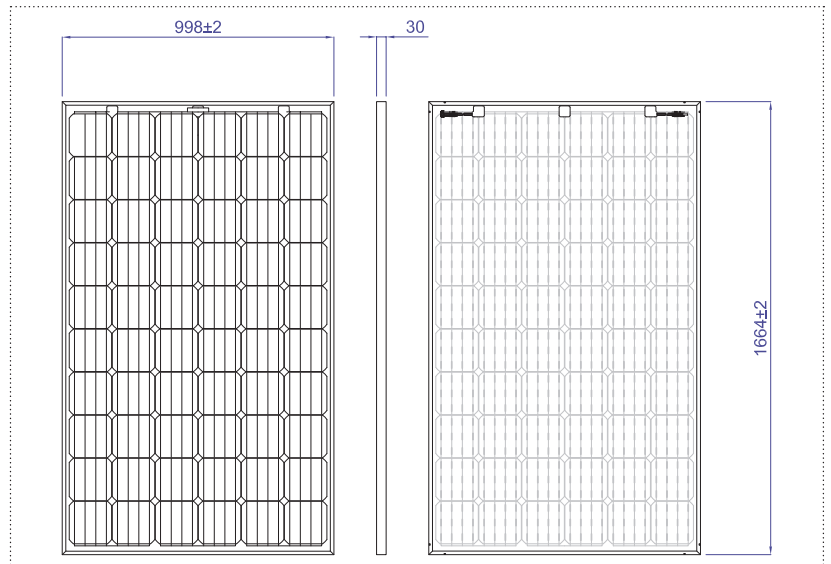
Hail test 25 mm - 23 m/s

Snow load / Wind load 5400 Pa / 2400 Pa

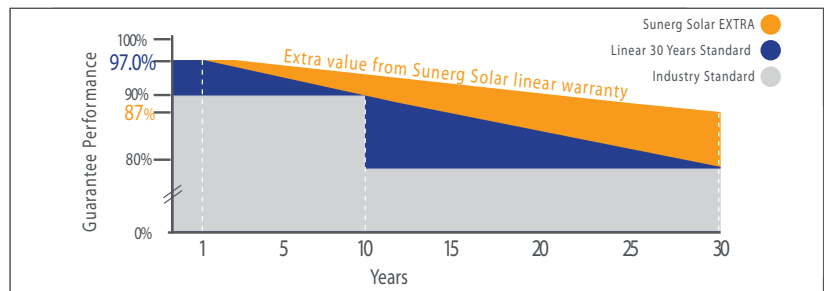
Number of cells 60 (156.75 mm x 156.75 mm)  
Type: Mono PERC

Weight (Kg) 24.5

**PRODUCT**



**LINEAR WARRANTY**



- look warranty terms -

**GENERAL INFORMATION**

Front glass 2.5 mm, High Transmission, AR Coated and Heat Strengthened Glass

Back glass 2.5 mm, Heat Strengthened Glass

Frame Anodized Black Aluminum alloy

Junction box IP67

Cables/Connectors PV1-F, 4mm<sup>2</sup> - MC4 compatible

Sunerg srl We reserve the right to make changes to product specifications without notice  
The technical data of the module, even though they are entered with extreme care, may contain errors or inaccuracies not attributable to Sunerg Solar S.r.l