

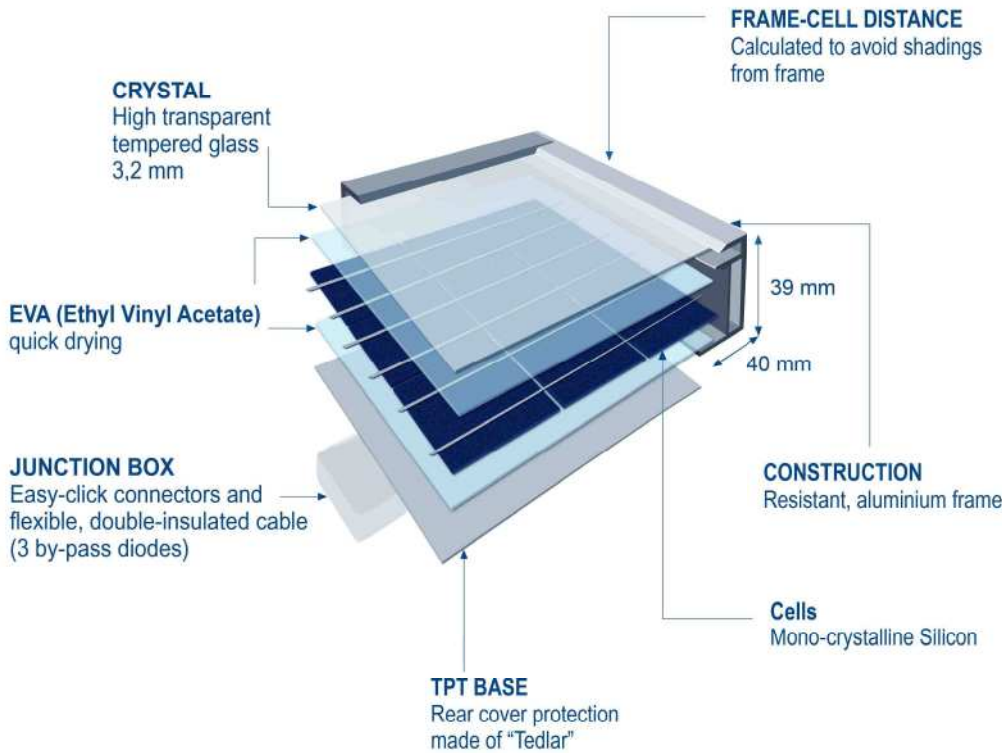


SKY GLOBAL[®]

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Renew your energy

Photovoltaic Solar Module SGP 60 / 210-240 Wp



MECHANICAL CHARACTERISTICS

Dimension

1655 mm x 989 mm x 39 mm

Area within frame

1474 mm x 967 mm

Weight

19,6 kg

Frame material

Aluminium

Crystal

3,2 mm tempered glass

Casing

0,5 mm EVA

Back

TPT base, "Tedlar"

Junction Box

Tyco SolarLok[®] 4 Rail/3Diode
J-Box ref. 1740699-6

Wiring

Tyco SolarLok[®] 100 mm

Conectors

Tyco SolarLok[®]
1394461-3 / 1394462-4

Cell

Poly-crystalline Silicon

60 cells

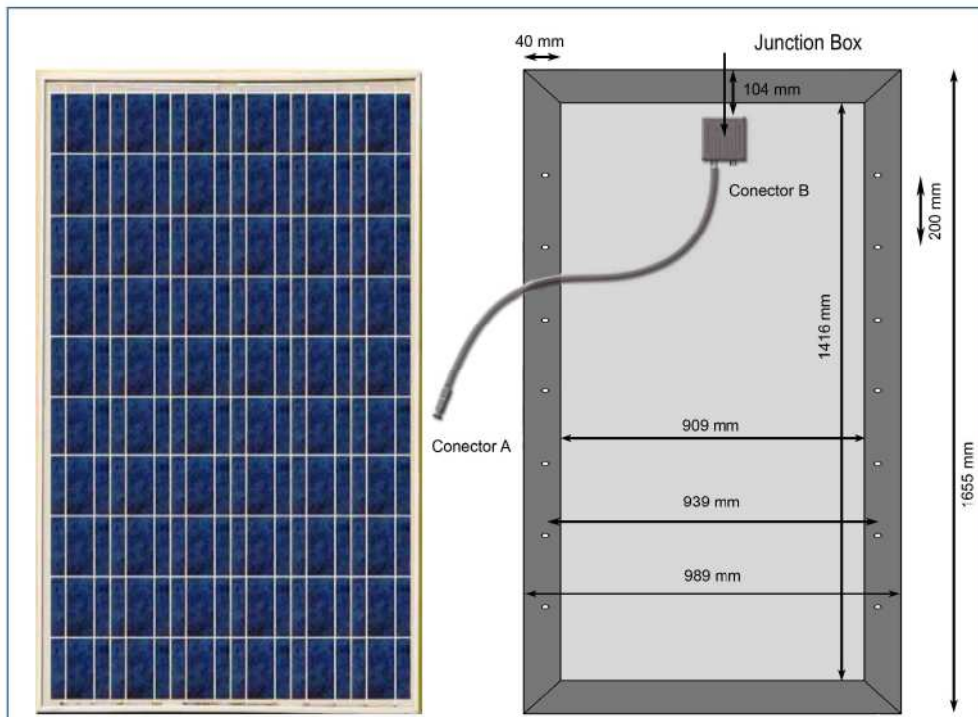
Dimension of Cell

156 x 156 mm

Limited Power Warranty

90% the first 10 years
80% the first 25 years

CONSTRUCTION DETAILS



QUALITY CERTIFICATE



• Qualified, IEC 61215
• Periodic Inspection

• Qualified, IEC 61215
• Safety tested, IEC 61730
• Periodic Inspection



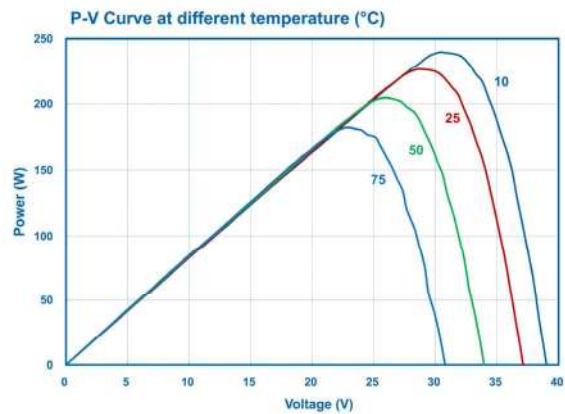
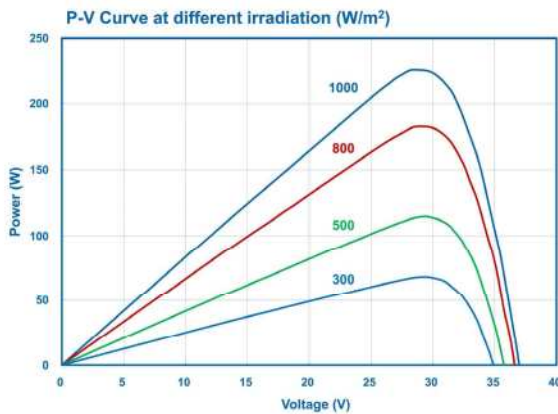
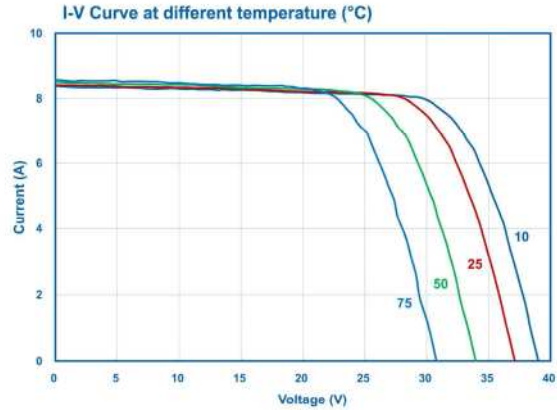
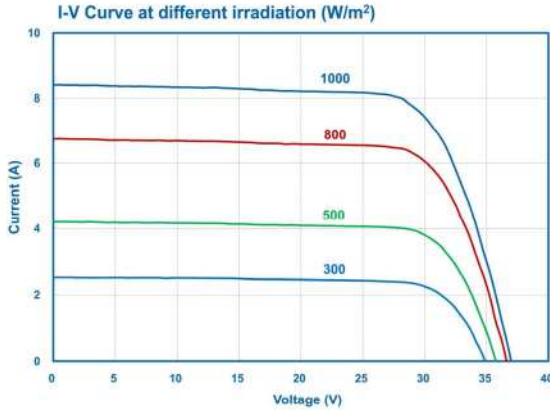
EN61000-6-3:2001
+ A11:2004



ISO 9001:2000



Photovoltaic Solar Module SGP 60 / 210-240 Wp



ELECTRICAL CHARACTERISTICS

Model	SGP 60/210Wp	SGP 60/215Wp	SGP 60/220Wp	SGP 60/225Wp	SGP 60/230Wp	SGP 60/235Wp	SGP 60/240Wp
Peak Power P _{max} (STC)*	210Wp	215Wp	220Wp	225 Wp	230Wp	235Wp	240Wp
Power tolerance	±3 %	±3 %	±3 %	±3 %	±3 %	±3 %	±3 %
Peak Power Voltage (V _m)	28,34V	28,71V	29,07V	29,44V	29,81V	30,18V	30,54V
Peak Power Current (I _m)	7,42A	7,50A	7,57A	7,65A	7,72A	7,79A	7,87A
Open-circuit Voltage (V _{oc})	36,06V	36,26V	36,46V	36,66V	36,86V	37,06V	37,26V
Short-circuit Current (I _{sc})	7,94A	8,03A	8,12A	8,21A	8,30A	8,39A	8,48A
Maximum System Voltage	1000V	1000V	1000V	1000V	1000V	1000V	1000V
Temperature coefficient (V _{oc})	-0,1243 V/°C	-0,1243 V/°C	-0,1243 V/°C	-0,1243 V/°C	-0,1243 V/°C	-0,1243 V/°C	-0,1243 V/°C
Temperature coefficient (I _{sc})	5 mA/°C	5 mA/°C	5 mA/°C	5 mA/°C	5 mA/°C	5 mA/°C	5 mA/°C
Temperature coefficient (P _{max})	-0,4%/°C	-0,4%/°C	-0,4%/°C	-0,4%/°C	-0,4%/°C	-0,4%/°C	-0,4%/°C
NOCT **	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C	45 °C
Cell efficiency	14,28%	14,64%	15,01%	15,39%	15,76%	16,13%	16,51%
Module efficiency	12,83%	13,14%	13,44%	13,75%	14,05%	14,36%	14,66%

* Test results at Standard Conditions (1000 W/m²; AM 1,5; 25 °C)

** Nominal Operation Cell Temperature (800 W/m²; 20 °C room temperature) and wind velocity 1 m/s