GRUPPOSTG
SOLARGREEN®
PV COMPANY

SG-60P

Power range:
from 260 to 280 Wp

Positive tolerance:
+5 %

Reduced weight:
optimization of raw materials

Thermal characteristics:
NOCT 45 +/-2°C

Frame:
anodised aluminium

Cell:
5 BB Polycrystalline, standard color

Warranty:
10 year against manufacturing defects

Specifications

- Use of tempered glass anti-glare with low iron content and high quality for optimum light collection.
- Anodised aluminium frame which provides solidity and sturdiness to withstand constant loads and climatic stresses such as snow and ice with applied pressure max 5,4kN/m²
- NOCT = 45°C
- Temperature range from -40°C a 85°C
- Mechanical load on surface max 550 kg/m²
- Hail impact resistance ø 25mm a 86 km/h

Measures	SG-60P	
• Length	1640	mm
• Width	992	mm
• Height	35	mm
• Weight	18	kg
• Frame	Anodized aluminium	
• Glass thickness	3,2	mm

System certifications

- Corporate Quality Management EN ISO 9001:2008
- Environmental Management EN ISO 14001:2004
- Management of Health and Safety at the Workplace BS/OHSAS 18001:2007

Product certifications

- IEC 61215:2005
- EN 61730-1/-2:2007
- Class of reaction to fire I (UNI 9177)
- Production “made in Extra EU”
- PID Free - Class A

Guarantees

- 10 year warranty against manufacturing defects*
- 10 year warranty on 90% of the maximum declared power*
- 25 year warranty on 80% of the maximum declared power*

* If used and installed according to technical and operational instructions.Solar Green Energy Srl reserves the right to make changes to product specifications.
This data sheet corresponds to the requirements of Standard EN50380. Rel. 4 10/2017

ENGINEERED IN ITALY

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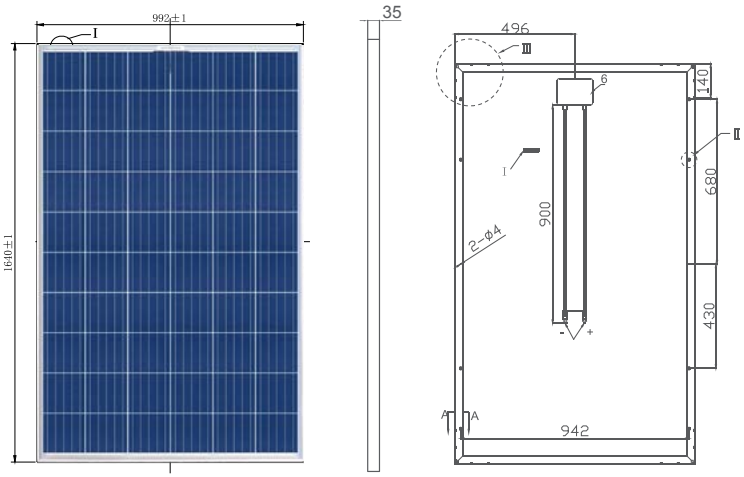
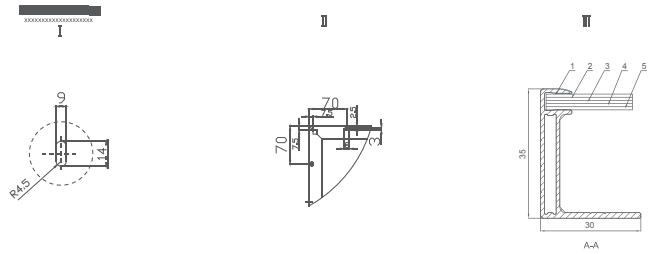
Behavior in standard test conditions STC*

Power class (maximum value)	P_{max}	**260 Wp**	**265Wp**	**270 Wp**	**275 Wp**	**280 Wp**
Efficiency	η	**15,98 %**	**16,29 %**	**16,59 %**	**16,89 %**	**17,21 %**
Open-circuit voltage	V_{oc}	**38,1 V**	**38,6 V**	**38,8 V**	**39,2 V**	**39,5 V**
Short-circuit current	I_{sc}	**8,98 A**	**9,03 A**	**9,09 A**	**9,13 A**	**9,18 A**
Maximum power voltage	V_{mp}	**31,1 V**	**31,4 V**	**31,7 V**	**32,1 V**	**32,3 V**
Current at maximum power	I_{mp}	**8,37 A**	**8,44 A**	**8,52 A**	**8,59 A**	**8,67 A**

* Note - Under standard conditions: Irradiation 1000 W/mq - Module temperature = 25°C - Air mass AM 1,5





Materials used

Cells per module	60
Cell type	5 BB Polycrystalline
Cell size	156 mm x 156 mm
Front side	Anti-glare tempered glass (EN 12150)

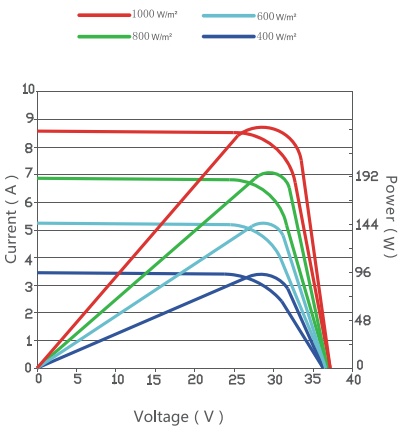
Thermal characteristics

NOCT	45 +/-2°C
TC I_{sc}	0,05 %/°C
TC U_{oc}	-0,27 %/°C
TC P_{mpp}	-0,45 %/°C

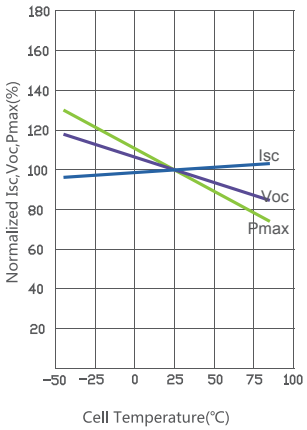
Parameters for optimal integration into the system

Maximum system voltage class II	1000 V
Load capacity of reverse current	15 A
High snow loads (standard IEC 61215)	max 5,4 kN/m²
Number of bypass diodes	3

Current-Voltage & Power-Voltage Curves (265W)



Temperature Dependence of Isc,Voc,Pmax



More Info

Sorting tolerance P_{max}	+5 %
Type of protection (IP)	IP65
Connector	MC4
Cable	Solar cable 4mm² - Length 0,9m

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