GREALTEC®
GREEN
ALTERNATIVE
TECHNOLOGIES

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GAT 25P

POLY-CRYSTALLINE SOLAR MODULES 25 W

ABOUT GREALTEC

GREALTEC, with over 10 years of industry experience, has been an integral part in the development of alternative energy in Europe, bringing their knowledge, experience and management in the entire process of product design and manufacturing of solar photovoltaic systems, from standard solutions to products developed to suit the requirements of our customers.

KEY FEATURE

- High module conversion efficiency, up to 16 %, through latest manufacturing technology.
- Exceptional behavior under low light intensity.
- Qualified and personal technical support.
- Constant innovation and research.
- Entire module certified to withstand snow loads (5400 Pascal) and high wind loads (2400 Pascal).

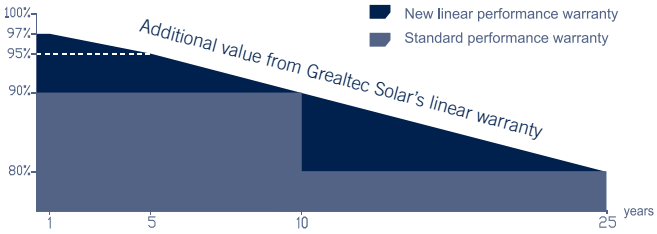
QUALITY & SAFETY

10 year warranty in material and workmanship.

Power tolerance 0 ~ ±3%

Industry leading power output warranty 10years/90%-25years/80%

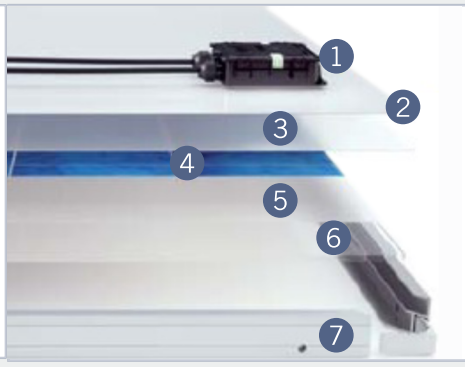
*Premium linear performance warranty**



RECOMMENDED APPLICATIONS

OFFGRID ROOF-TOPS	12V
SOLAR POWER PLANTS	NO
OFFGRID SYSTEMS	12V

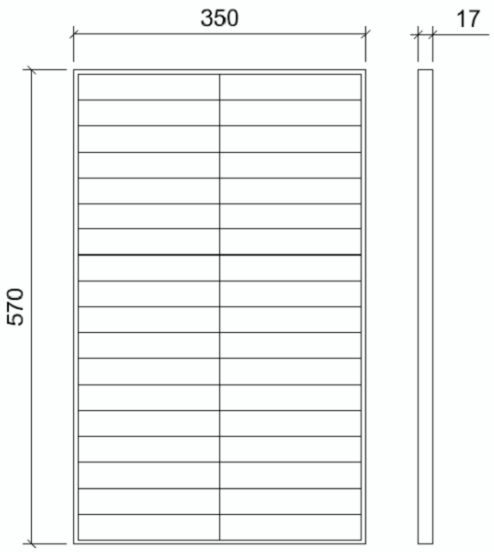
CONSTRUCTIVE CHARACTERISTICS



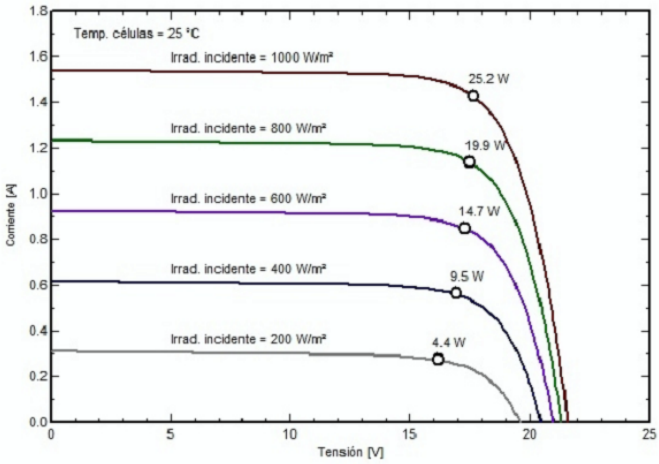
1. JUNCTION BOX
2. BACKSIDE FOIL
3. EVA
4. MULTI-CRYSTALLINE CELL
5. EVA
6. GLASS PLATE
7. FRAME

ENGINEERING DRAWING

Unit: mm



ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



Nominal operating cell temperature (NOTC)	47ºC ± 2ºC
Temperature Coefficient of Pmax (%/ºC)	-0.47
Temperature Coefficient of Voc (%/ºC)	-0.38
Temperature Coefficient of Isc (%/ºC)	0.04

ELECTRICAL DATA		GAT 25 P
Maximum Power at STC	(Pmax)	25 Wp
Maximum Power Voltage	(Vmp)	17.30 V
Maximum Power Current	(Imp)	1.45 A
Open Circuit Voltage	(Voc)	21.60 V
Short Circuit Current	(Isc)	1.54 A
Module Efficiency	(%)	12.53 %
Maximum System Voltage	(Vdc)	1000 V
Power Tolerance	(%/Pmax)	0 ~ ±3%

MECHANICAL DATA	
Cell Type	Poly-Crystalline 156 x 27.82 mm
Cell Arrangement	36 (2 x 18)
Dimensions (mm)	350 x 570 x 17 mm
Weight (kg)	2.80 kg
Front Glass (mm)	Tempering Glass 3.2mm (Optional 4 mm)
Frame Material	Anodized aluminum 17 mm thickness
Junction Box	IP54; 2 diodes
Output Cable	Section 4 mm2 / NO
Connector Type	MC4 Compatible /NO

PACKAGING SPECIFICATIONS
Packaging for distributors:
2 modules per carton box
260 modules per pallet
2430 modules in a 20'GP container
4860 modules in a 40'GP container

STC • IRRADIANCE 1000W/M2 • MODULE TEMPERATURE 25ºC • AM=1.5

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Read the instruction manual in its entirely before handling, installing, and operating Grealtec solar modules. Due to continuous innovation, research and product improvement, technical datasheet are subject to change without prior notice.
Grealtec reserves the final right for explanation on any of the information presented hereby.