

## 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).

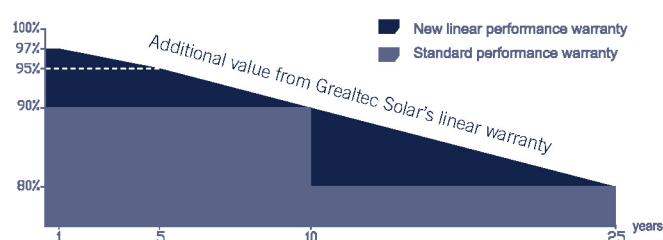
## QUALITY & SAFETY

10 year warranty in material and workmanship.

Positive power tolerance 0 ~ +3%

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

### Premium linear performance warranty\*



## RECOMMENDED APPLICATIONS



OFFGRID ROOF-TOPS

24V



SOLAR POWER PLANTS

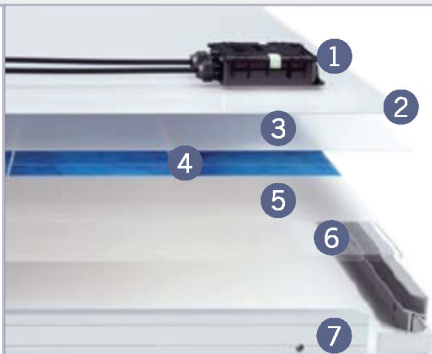
YES



OFFGRID SYSTEMS

24V

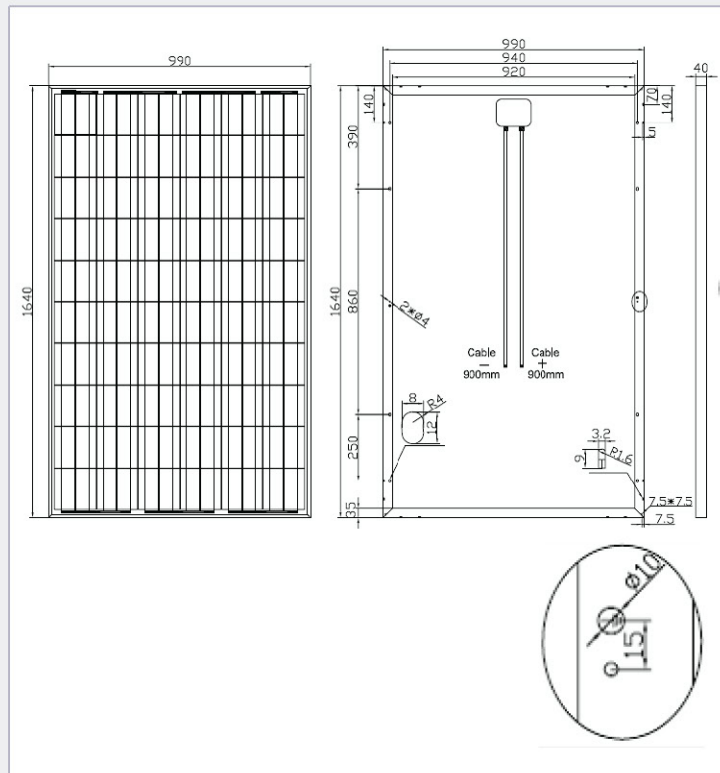
## CONSTRUCTIVE CHARACTERISTICS



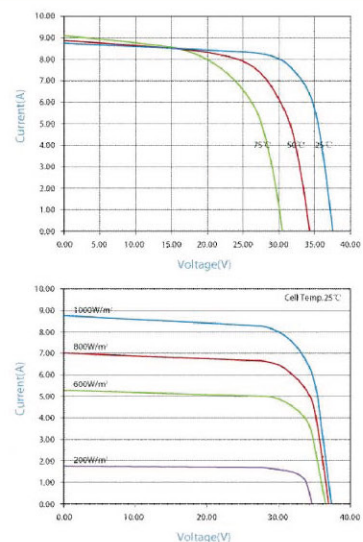
- 1 JUNCTION BOX
- 2 BACKSIDE FOIL
- 3 EVA
- 4 MULTI-CRYSTALLINE CELL
- 5 EVA
- 6 GLASS PLATE
- 7 FRAME

## ENGINEERING DRAWING

Unit: mm



## ELECTRICAL PERFORMANCE & TEMPERATURE DEPENDENCE



Nominal Operating Cell Temperature (NOTC)	47°C ± 2°C
Temperature Coefficient of Pmax (%/°C)	-0.45
Temperature Coefficient of Voc (%/°C)	-0.35
Temperature Coefficient of Isc (%/°C)	0.04

ELECTRICAL DATA		GAT 240 P	GAT 245 P	GAT 250 P
Maximum Power at STC	(Pmax)	240 Wp	245 Wp	250 Wp
Maximum Power Voltage	(Vmp)	30.74 V	30.88 V	30.75 V
Maximum Power Current	(Imp)	7.81 A	7.94 A	8.20 A
Open Circuit Voltage	(Voc)	36.60 V	36.91 V	38.20 V
Short Circuit Current	(Isc)	8.36 A	8.50 A	8.65 A
Module Efficiency	(%)	14.49 %	14.79 %	15.39 %
Maximum System Voltage	(Vdc)	1000 V	1000 V	1000 V
Positive Power Tolerance	(%/Pmax)	0 ~ +3%	0 ~ +3%	0 ~ +3%

MECHANICAL DATA	
Cell Type	Poly-Crystalline 156 × 156 mm
Cell Arrangement	60 (6 × 10)
Dimensions (mm)	1640 × 990 × 40 mm
Weight (kg)	18.60 kg
Front Glass (mm)	Tempering Glass 3.2mm (Optional 4 mm)
Frame Material	Anodized aluminum 40 mm thickness
Junction Box	IP65; 3 diodes
Output Cable	Legth 900 mm (other length optional) / Section 4 mm²
Connector Type	MC4 Compatible

PACKAGING SPECIFICATIONS
Packaging for installers:
17-32 modules per carton box
50 modules per pallet
332 modules in a 20'GP container
494 modules in a 40'GP container

STC



IRRADIANCE 1000W/M2



MODULE TEMPERATURE 25°C



AM=1.5



Read the instruction manual in its entirety 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.