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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**GreenBrilliance USA**

**GB72P6 3BB**

**GB72P6-280**

Also available on the web at  
[EnergyPal.com/greenbrilliance-usa-solar-panels/gb72p6-280](http://EnergyPal.com/greenbrilliance-usa-solar-panels/gb72p6-280)



High power module using 156 x 156 mm<sup>2</sup> Polycrystalline silicon solar cells with high conversion efficiency



World's most sustainable modules with the shortest energy amortisation time



Designed for optimum use in residential, commercial and utility scale installations



Positive tolerance turbo series



High-transmissivity, tempered glass for enhanced stiffness and impact resistance



Advanced EVA encapsulation with triple-layer back sheet for high-voltage operation



Robust, anodized aluminum frame for extended outdoor use



Nominal 24VDC output, for grid-connected systems



RFID tag



**think solar**

be the difference

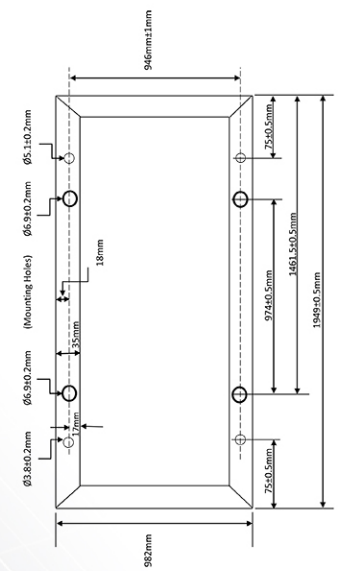
Technical Data				
Model Name	GB72P6-280	GB72P6-290	GB72P6-295	GB72P6-300
Power Rating ( $P_{max}$ )	280	290	295	300
Open Circuit Voltage ( $V_{oc}$ )	43.50	44.32	44.56	44.92
Short Circuit Current ( $I_{sc}$ )	8.33	8.49	8.52	8.55
Maximum Power Voltage ( $V_{mp}$ )	36.00	36.72	37.07	37.55
Maximum Power Current ( $I_{mp}$ )	7.78	7.90	7.96	7.99
Size of the Modules (mm)	1949 x 982.20			
Weight of the Modules (Kgs)	21.80			
Tolerance at $P_{max}$ (%)	0% to +3%			
Maximum System Voltage ( $V_{DC}$ )	1000 Volts for IEC and 600 Volts for UL			
Junction Box	3 Bypass Diodes of 15 Amps each			
Output Cables & Connectors	1000 mm (+) / 1000 mm (-), MC-4 Compatible Connectors			
Temperature Coefficient of $I_{sc}$ (%/°C)	0.05			
Temperature Coefficient of $V_{oc}$ (%/°C)	-0.35			
Temperature Coefficient of $P_{max}$ (%/°C)	-0.45			
Certifications	TÜV, IEC 61215, IEC 61701, IEC 61730-1 & 2, UL 1703, cUL			
Package Contents	Type-A: 27 in 1 Box, (594 in One 40" HC)		Type-B: 2 in 1 Box	

Certifications and Standards

\*Specifications subject to change without notice

## Solar Energy Solutions by GreenBrilliance

- Manufacture High Performance Solar PV Modules
  - Multi crystalline
  - Building integrated PV module(BIPV)
- Solar Power Plant EPC solutions & Project Engineering
- Residential, Commercial and Utility Scale Installations
- Custom Engineered Solutions



**The GreenBrilliance Warranty**

10 Years	90% Performance
25 Years	80% Performance
5 Years	Workmanship

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