



145W POLYCRYSTALLINE SOLAR MODULE

| GG-PV36P-P145-T/-U | GG-PV36P-P140-T/-U | GG-PV36P-P135-T/-U |



Mechanical Characteristics

DIMENSIONS	1478mm (58.19")(L) × 676mm (26.61")(W) × 50mm (1.97")(H)
WEIGHT	Approx. 13.3kg (29.32 lbs)
SOLAR CELLS	36 cells in series (4 × 9 matrix)
OUTPUT CABLES	4mm ² (12AWG) cables with polarized weatherproof connectors, IEC certified (UL listed), Length 1.0m (39.4")
JUNCTION BOX	Weatherproof, IEC certified (UL listed)
BYPASS DIODES	3 bypass diodes to prevent power decrease by partial shade
COMPOSITION	Front: High transmission low-iron tempered glass, 3.2mm (0.126") Encapsulate: EVA Back Sheet: TPT
FRAME	Clear anodized aluminum alloy



High Quality

- IEC 61215(Ed.2) and IEC 61730 by TÜV Rheinland
- UL listed (UL 1703), Class C Fire Rating
- Output power tolerance ±3%
- ISO 9001:2008 and ISO 14001:2004 Certified
- Advanced Mechanical Test (2,400 Pa) Passed (IEC)/ Mechanical Load Test (40 lbs/ft²) Passed (UL)



Warranty

- 5 years for product defect
- 10 years for 90% of warranted min. power
- 25 years for 80% of warranted min. power



Fast and Easy Mounting

- Delivered ready for connection
- Pre-confectioned cables
- IEC (UL) passed and weatherproof connectors
- Integrated bypass diodes





Electrical Characteristics

POLYCRYSTALLINE TYPE		GG-PV36P-P□□□-T/U		
		145	140	135
NOMINAL OUTPUT (PMPP)	W	145	140	135
VOLTAGE AT P _{MAX} (VMPP)	V	18.6	18.2	18.1
CURRENT AT P _{MAX} (IMPP)	A	7.80	7.69	7.46
OPEN CIRCUIT VOLTAGE (VOC)	V	22.4	22.3	22.1
SHORT CIRCUIT CURRENT (ISC)	A	8.37	8.28	8.10
OUTPUT TOLERANCE	%	±3		
NO. OF CELLS	pcs	36 in series		
CELL TYPE	—	156 × 156mm Polycrystalline		
TEMPERATURE COEFFICIENT OF PMPP	%/K	-0.48	-0.48	-0.48
TEMPERATURE COEFFICIENT OF VOC	%/K	-0.34	-0.34	-0.34
TEMPERATURE COEFFICIENT OF ISC	%/K	+0.06	+0.06	+0.06

* T For TÜV certified Solar Module

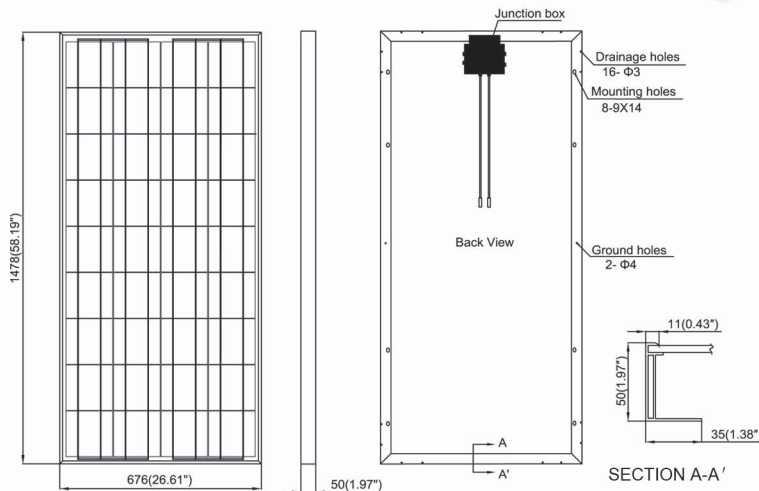
* All data at STC (Irradiance 1000 W/m², module temperature 25°C, AM=1.5).

* U For UL certified Solar Module

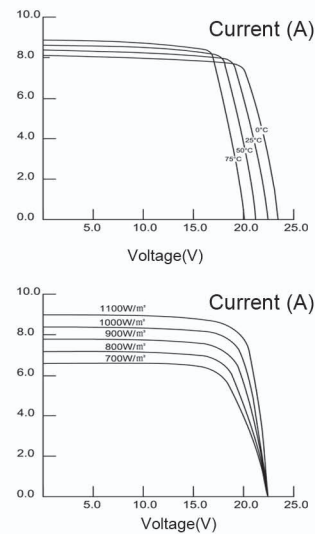
* Above data may be changed without prior notice.



Module Diagram (Unit: mm, inch)



I-V Curves



Packing Detail

CONTAINER	20'GP	40'GP
PIECES PER PALLET	36	36
PALLETS PER CONTAINER	10	22
PIECES PER CONTAINER	360	792



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201103 V.1.0 - PV Module

WARNING: Read the instructions manual carefully before using this product

NOTE: Specifications are subject to change without further notification.

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