

GES-6P290

280~305Watt

Polycrystalline Photovoltaic Module



Strict Inspection

Double EL testing of each panel ensures no micro-cracks or mismatch on cells;



More Power

High efficiency ensures high ROI;
0~+5W power tolerance;



ISO certified & IEC standards

ISO 9001:2008 certified factory;
IEC 5400 Pa mechanical loading test;
Ammonia Endurance Test (IEC62716);
Salt Mist Test (IEC61701);



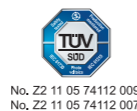
Linear Warranty, Low Degradation

Aging test under 85°C and 85% relative humidity for at least 1500 hours;
3% degradation rate the first year;
0.71% yearly linear degradation;
10 years warranty on materials and workmanship;
25 years warranty on 80% Min. power output;



Extra Value

Products Warranty Insurance (Power Guard);
Product Liability Insurance (CHUBB);
Financial Injury (E&O) Liability Insurance (CHUBB).



No. Z2 11 05 74112 009
No. Z2 11 05 74112 007



No. 20120829-E330812



N8 11 05 74112 008
N8 11 05 74112 006



BABT 8588 R0



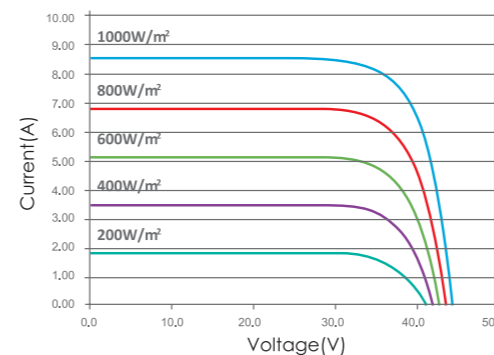
Electrical Characteristics

Characteristics	Unit	GES-6P280	GES-6P285	GES-6P290	GES-6P295	GES-6P300	GES-6P305
Max. Power (Pmax)	W	280	285	290	295	300	305
Power Tolerance	W	(0,+5)	(0,+5)	(0,+5)	(0,+5)	(0,+5)	(0,+5)
Open Circuit Voltage (Voc)	V	44.3	44.5	44.7	44.9	45.1	45.3
Short Circuit Current (Isc)	A	8.41	8.47	8.54	8.61	8.67	8.74
Max. Power Voltage (Vmp)	V	35.9	36.0	36.2	36.4	36.5	36.7
Max. Power Current (Imp)	A	7.80	7.91	8.01	8.11	8.21	8.31
Module Efficiency (ηm)	%	14.4	14.7	14.9	15.2	15.5	15.7
Pmax Temperature Coefficient	%/°C	-0.42					
Voc Temperature Coefficient	%/°C	-0.30					
Isc Temperature Coefficient	%/°C	+0.05					
Max. System Voltage	VDC	1000(TUV);600(UL)					
Max. Series Fuse Rating	A	15					
Operating Temperature	°C	-40~+85					
NOCT	°C	45±2					

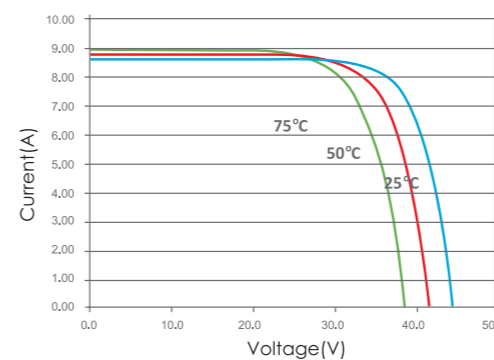
STC: 1000W/m², AM1.5 and 25°C cell temperature; NOCT: Nominal Operating Cell Temperature

I-V Curves

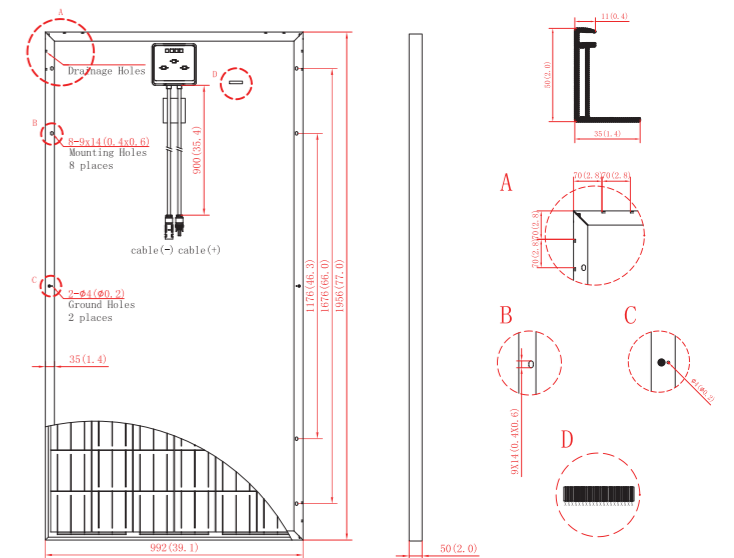
I-V Curves of PV Modules GES-6P290
(Cell Temp. 25°C)



I-V Curves of PV Module GES-6P290
at Different Cell Temp. (AM1.5, 1000W/m²)



Physical Characteristics Unit: mm(inch)



Cell Type	156mm x 156mm, Polycrystalline Silicon
No. of Cells	72pcs (6x12)
Dimension	1956x992x50mm (77.0x39.1x2.0inch)
Weight	24.0kg (52.9lbs.)
Cable Length	900mm (35.4inch)
Bypass Diodes	6/3pcs
Junction Box	IP65/IP67
Front Glass	3.2mm (0.1inch) tempered low-iron glass
Frame	Anodized aluminum alloy

* Specifications are subjected to change without further notice

