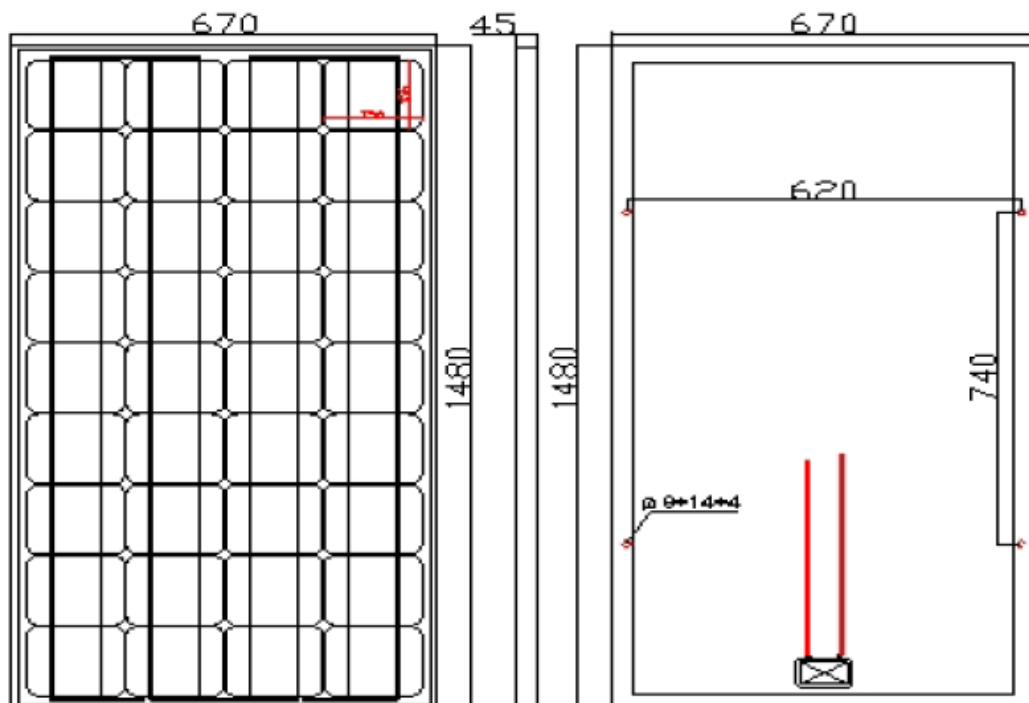
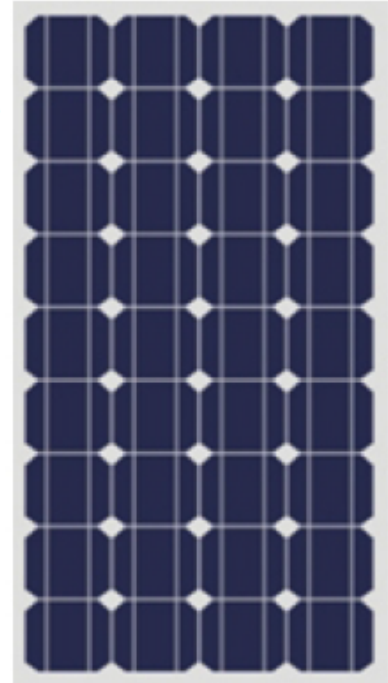


Model (GSE125-145/36-P) Specifications)

Monocrystalline solar Module

Using only the best quality materials to provide high quality solar modules

- * High efficiency solar cells with high transmission and low iron textured glass delivering high efficiency modules;
- * Bypass diode minimizes the power drop caused by shading;
- * Tempered glass, EVA resin, and weatherproof film, plus aluminum frame for extended outdoor use;
- * Modules independently tested to ensure conformance with certification and regulatory standards;
- * Manufacturing facility certified to ISO9001 quality management system standards;



ITEM NO:	GSE120P-36	GSE130P-36	GSE135P-36	GSE140P-36	GSE145P-36
Maximum Power (W)	120	130	135	140	145
Optimum Power Voltage (Vmp)	17.2	17.5	18.0	18.0	18.5
Optimum Operating Current (Imp)	7.0	7.4	7.5	7.8	7.8
Open Circuit Voltage (Voc)	21.6	21.7	22.3	22.3	22.9
Short Circuit Current (Isc)	7.8	7.9	8.0	8.3	8.3
Cell Efficiency (%)	14.3	14.8	15.4	16.0	16.6
Module Efficiency (%)	12.6	13.1	13.6	14.1	14.6
Solar Cells:	156*156				
Number of Cells (pcs) per module	4*9				
Size of Module (mm)	1480*670*45				
Type of Connector	TUV certified ZH202 compatible plug & play				
Cable Type diameter and length	$\phi=4\text{mm}^2$ L=1000 mm TUV certified				
Front Glass Thickness (mm)	3.2				
Temperature Coefficients of Isc (%) ^{° C}	0.045%/°C				
Temperature Coefficients of Voc (%) ^{° C}	-0.34%/°C				
Temperature Coefficients of Pm (%) ^{° C}	-0.47%/°C				
Temperature Coefficients of Im (%) ^{° C}	0.045%/°C				
Temperature Coefficients of Vm (%) ^{° C}	-0.34%/°C				
Temperature Range	-40°C to +85°C				
Tolerance Wattage (e. g. +/-3%)	±3%				
Surface Maximum Load Capacity	5400Pa				
Allowable Hail Load	23m/s 7.53g				
Weight Per Piece (KG)	19.5				
Junction BOX Type	TUV Certificated				
Bypass Diode Rating (A)	15				
Frame (Material Corners, etc)	35				
Backing (Brand Type)	TPE				
Warranty - 7 years product guarantee, 25 year performance warranty.	90% of 10 year, 80% of 25 year.				
Standard Test Conditions	AM1.5				
FF (%)	70-78%				
Packaging	Wooden box 20 pcs per box. 520 pcs per 40ft container				