

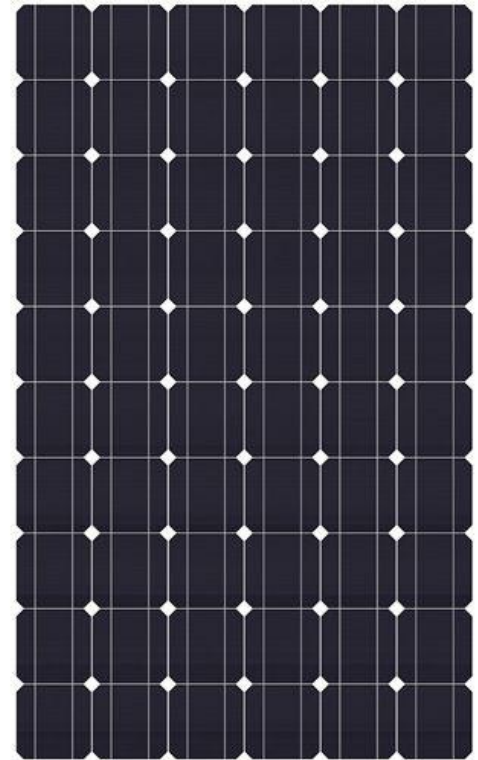
## GHSZ290/300-60P Mono-crystalline Silicon Solar Panel

### EFFICIENCY

- ✓ Low voltage-temperature coefficient allows higher Power output at high-temperature condition
- ✓ High efficient, high reliable solar cells ensure our Product meets output stability.

### MATERIALS

- ✓ Advanced EVA encapsulation system with Triple-layer back sheet meets the most stringent safety requirements for high-voltage Operation.
- ✓ The sturdy, anodized aluminum frame allows The modules to be mounted on a variety of standard Racking systems to withstand harshest of European conditions
- ✓ Ultra reliable bypass diodes prevent damage through Overheating due to shaded or defective cells.
- ✓ Innovative, environmentally friendly packing method Using pile-edges insures modules arrive in perfect Condition.
- ✓ New frame design incorporating Drainage holes, with more grounding holes, provide Flexible installation and use



### BENEFITS

- ✓ Manufactured IEC61215, IEC61730, ISO 9001:2008 MCS, TUV, CE
- ✓ High efficiency, high safety, high reliability
- ✓ Output power tolerance of -3%~+3 %
- ✓ 10 years Fully Backed CHN Insurance Product Warranty.
- ✓ Standard 25-years Limited warranty on Power output, 3-years Product Warranty. Limited warranty on materials and workmanship
- ✓ Container load: 580pcs on 28 pallets in 40' container and 220 pcs on 12 pallets in 20' container.

### MC4 Compatible



### NOTE

This publication summarizes product warranty and specifications, which are subject to change without notice, additional information may be found on our web site: [www.htwindsolarpower.com](http://www.htwindsolarpower.com)



### Module Characteristics:

Note: the specifications are obtained under the Standard Test Conditions (STC):1000W/ m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25Degrees C

Specification	Module Number	
Model Characteristics	GHSZ290/300-60	
Open circuit voltage (V)	45.62	47.00
Maximum power voltage (V)	36.50	37.60
Short circuit current (A)	8.25	8.28
Maximum power current (A)	7.95	7.98
Maximum power (Wp)	<b>290Wp</b>	<b>300Wp</b>
Cell Efficiency(%)	17.6%	18.2%
Cell	Mono-crystalline Silicon Solar Cells	
	156mm x 156mm	
Number of cells (Pcs)	60(6*10)	
Size of module (mm)	1946×982×50mm	
Weight per piece (kg)	25.0	
Limits Operation Temperature	-40C-----+85 degree C	
Maximum system voltage (V)	1000V DC	
Temperature & Coefficients	45 Degrees C +/- 2 Degrees C	
NOCT (nominal operating cell temperature)		
Current Temperature Coefficient	% / k	0.06 + - 0.01
Voltage Temperature Coefficient	Mv / k	- (155+ - 10)
Power Temperature Coefficient	% / k	-(0.5+- 0.05)
Output		
Type of output Terminal	Junction Box PV-JB001( TUV )	
Cable	LAPP (4.0mm <sup>2</sup> )	
Symmetrical Length	900mm	
Connection	MC4/ TYPE 1V	

### Packaging Method for Bulk Order

