

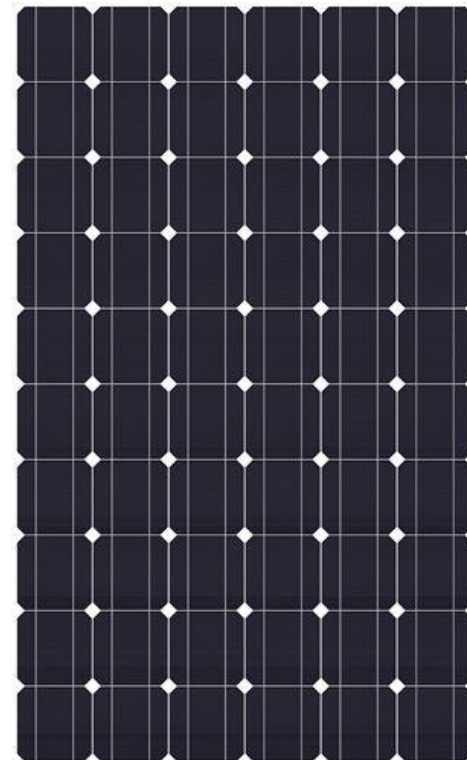
GHSZ160/170/180/190-72 Mono-crystalline Silicon Solar Panel

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: 600pcs on 28 pallets in 40' container and 272 pcs on 12 pallets in 20' container.

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

MC4 Compatible



Module Characteristics:

Note: the specifications are obtained under the Standard Test Conditions (STC):1000W/ m² solar irradiance, 1.5 Air Mass, and cell temperature of 25Degrees C

Specification	Module Number			
Model Characteristics	GHSZ160/170/180/190-72			
Open circuit voltage (V)	42.84	43.20	43.64	44.48
Maximum power voltage (V)	35.70	36.00	36.36	37.08
Short circuit current (A)	4.93	5.19	5.45	5.54
Maximum power current (A)	4.49	4.72	4.95	5.12
Maximum power (Wp)	160Wp	170Wp	180Wp	190Wp
Cell Efficiency(%)	15.00%	16.00%	17.00%	17.75%
Cell	Poly-crystalline Silicon Solar Cells			
	156mm x 156mm			
Number of cells (Pcs)	72 (6*12)			
Size of module (mm)	1580×808×46mm			
Weight per piece (kg)	16			
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 (4.0mm2)			
Symmetrical Length	900mm			
Connection	MC4/ TYPE 1V			

Packaging Method for Bulk Order

