



GHSZ310/320-72 Poly-crystalline White gridded and frameless module

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: 624pcs on 24 pallets in 40' container and 130 pcs on 5 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

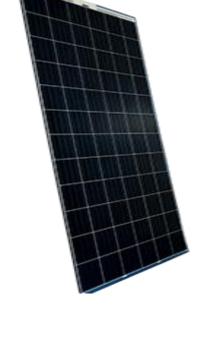












MC4 Compatible





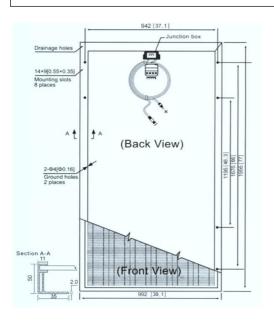




Module Characteristics:

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

Specification	Module Number	
Model Characteristics	GHSZ310/320-72	
Open circuit voltage (V)	45.6	46. 2
Maximum power voltage (V)	37.1	37.5
Short circuit current (A)	9.14	9.38
Maximum power current (A)	8.63	8.81
Maximum power (Wp)	310Wp	320Wp
Cell Efficiency(%)	15.5%	17.00%
Cell	Poly-crystalline Silicon Solar Cells	
	156mm x 156mm	
Number of cells (Pcs)	72 (6*12)	
Size of module (mm)	$1960\times992\times40\mathrm{mm}$	
Weight per piece (kg)	22.1	
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

