

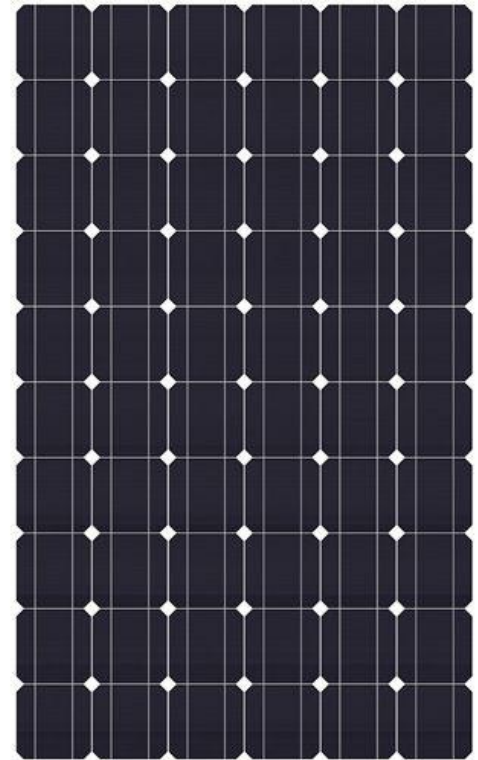
GHSA215/225/235-48P Monocrystalline Silicon Solar Panel

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 240 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



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		
Model Characteristics	GHSA215/225/235-48P		
Open circuit voltage (V)	32.88	36.00	36.72
Maximum power voltage (V)	27.40	30.00	30.60
Short circuit current (A)	8.83	7.92	8.46
Maximum power current (A)	8.03	7.34	7.84
Maximum power (Wp)	215Wp	225Wp	235Wp
Cell Efficiency(%)	17%	16%	16.75%
Cell	Monocrystalline Silicon Solar Cells 125mm x 125mm		
Number of cells (Pcs)	48(6*8)		
Size of module (mm)	1450*980*46 (mm)		
Weight per piece (kg)	17.5		
Limits	-40C-----+85 degree C		
Operation Temperature			
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	- (15+ - 10)	
Power Temperature Coefficient	% / k	-(0.5+- 0.05)	
Output			
Type of output Terminal	Junction Box		
Cable	LAPP (4.0mm ²)		
Symmetrical Length	900mm		
Connection	TYPE 1V		

Packaging Method for Bulk Order

