

For Global Market



GH SOLAR

Monocrystalline PV Module

GH (315-340)M-72 Series

- ▶ High PID resist performance
- ▶ Reducing cell series resistance
- ▶ Steady power output
- ▶ More power output

System voltage 1000V/1500V standard

315	320	325	330	335	340
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ELECTRICAL SPECIFICATIONS						
STC rated output (P _{mpp})*	315 Wp	320 Wp	325 Wp	330 Wp	335 Wp	340 Wp
PV Module size	1956*992*40 MM					
Standard sorted output	0/+5 Wp					
Warranted power output STC (P _{nominal})	315 Wp	320 Wp	325 Wp	330 Wp	335 Wp	340 Wp
Rated voltage (V _{mpp}) at STC	37.21 V	37.45 V	37.69 V	37.93 V	38.17 V	38.41 V
Rated current (I _{mpp}) at STC	8.47 A	8.54 A	8.62 A	8.70 A	8.78 A	8.85 A
Open circuit voltage (V _{oc}) at STC	45.02 V	45.31 V	45.60 V	45.90 V	46.19 V	46.48 V
Short circuit current (I _{sc}) at STC	8.97 A	9.06 A	9.14 A	9.22 A	9.30 A	9.38 A
Module efficiency	16.2%	16.5%	16.8%	17.0%	17.3%	17.5%
Rated output (P _{mpp}) at NOCT	231.5 Wp	235.2 Wp	238.9 Wp	242.6 Wp	246.3 Wp	249.9 Wp
Rated voltage (V _{mpp}) at NOCT	34.22 V	34.45 V	34.68 V	34.91 V	35.13 V	35.34 V
Rated current (I _{mpp}) at NOCT	6.77 A	6.83 A	6.89 A	6.95 A	7.01 A	7.07 A
Open circuit voltage (V _{oc}) at NOCT	42.43 V	42.72 V	43.01V	43.29 V	43.56 V	43.99 V
Short circuit current (I _{sc}) at NOCT	7.21 A	7.27 A	7.33 A	7.39 A	7.47 A	7.53 A
Temperature coefficient (P _{mpp})	- 0.376%/K					
Temperature coefficient (I _{sc})	+0.043%/K					
Temperature coefficient (I _{mpp})	- 0.008%/K					
Temperature coefficient (V _{mpp})	- 0.370%/K					
Temperature coefficient (V _{oc})	- 0.282%/K					
Normal operating cell temperature (NOCT)	46±2°C					
Maximum system voltage (IEC)	1000V _{DC} / 1500V _{DC}					
Number of diodes	3					
Maximum series fuse rating	15 A					

* Measurement tolerance +/- 3%

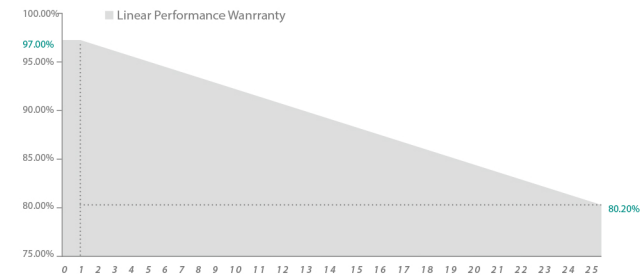


RELATED PARAMETERS	
Cell type	Monocrystalline
Number of cells / cell arrangement	72 / 6 x12
Cells dimension	6"
Packing unit	27 modules
Weight of packing unit (for container)	621 kg / 1369 lbs

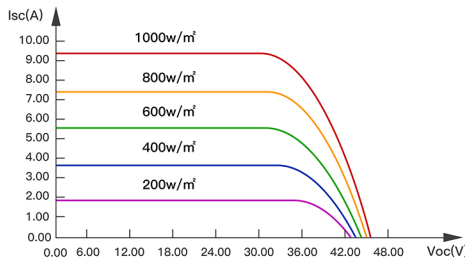
MECHANICAL SPECIFICATIONS	
Outer dimensions (L x W x H)	1956 x 992 x 40 mm 77 x 39.06 x 1.57 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	21.8 kg / 48.1 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 67
① Cable length(IEC)	600/900 mm / 23.62/35.43 in
Cable diameter (IEC)	12 AWG / 4 mm ²
② Maximum load capacity	5400 Pa
Fire performance (IEC)	Class C
Connector type (IEC)	MC4 compatible

Refer to GH Solar crystalline installation manual.

QUALIFICATION AND LINEAR WARRANTIES	
Product standard	IEC61215, 61730
Extended product warranty	12 years
Output decline 3%/year performance P _{mpp} (STC)	1 st year
Output decline 0.7%/year performance P _{mpp} (STC)	2 nd - 25 th years



I-V Curves of PV module MS330M-72 at various solar irradiance



MODULE DIMENSION DETAILS			
Front view	Side view	Rear view	Frame cross section

GH Solar reserves the right of final interpretation.
Specifications and designs included in this datasheet are subject to change without notice.

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