





<b>GW-P156-72</b>	<b>310~340W</b>
Poly-crystalline Module	Power Output Range
<b>17.5%</b>	<b>0~+5W</b>
Maximum Efficiency	Power Tolerance


## Product Specifications Book

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 PID free module  
 Anti-PID cell technology  
 Anti-PID encapsulation technology


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 UL 1703, IEC 61215, IEC 61730 and CE  
 ISO 9001 for Quality Management Systems  
 ISO 14001 for Environmental Management Systems  
 ISO 18001 Occupational Health and Safety System


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 Lower annual power degradation and current sorting reduces the mismatch power loss in system operation

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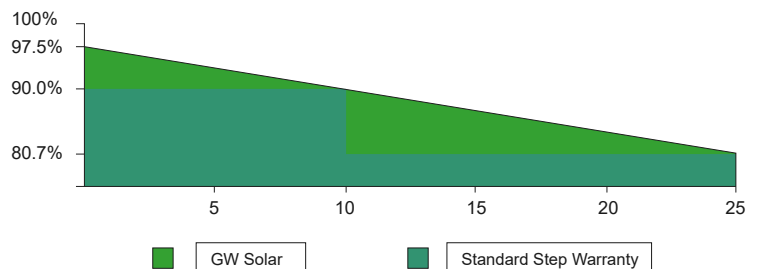
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 Improve safety  
 1500VDC (TUV) / 1500VDC (CSA) certified  
 2 EL inspections per cell/module for defect-free consistency

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 Load certificates: wind to 2400Pa and snow to 5400Pa

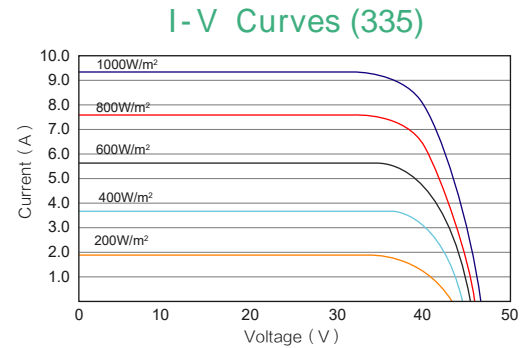


### LINEAR PERFORMANCE WARRANTY

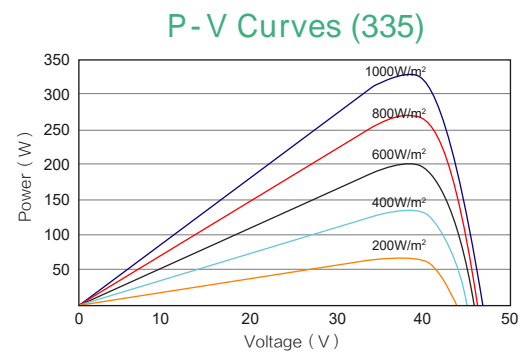


Munich RE Insurance Global Coverage

Electrical Specifications (standard test conditions)							
Maximum Power -PMAX (Wp)	310	315	320	325	330	335	340
Power Tolerance -PMAX (W)	0 ~ +5						
Maximum power point of operating voltage -VMPP (V)	37.0	37.2	37.1	37.2	37.3	37.6	37.9
Maximum power point of operating current -IMPP (A)	8.38	8.47	8.63	8.76	8.87	8.91	8.97
Open circuit voltage -Voc (V)*	45.4	45.6	45.8	45.9	46.1	46.3	46.6
Short circuit current - Isc (A)	8.99	9.08	9.10	9.25	9.38	9.39	9.46
Module Efficiency $\eta_m$ (%)	15.9	16.2	16.4	16.7	17.0	17.2	17.5
Standard test conditions under Measured Value:( air quality AM1.5, Irradiance 1000W / m <sup>2</sup> , cell temperature 25 ° C)							

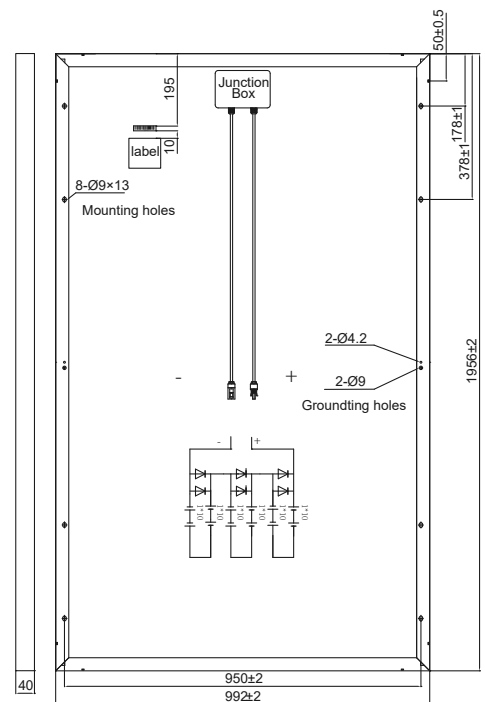


Electrical Index (under nominal operating cell temperature conditions)							
Maximum Power-PMAX (Wp)	260	265	270	275	280	285	290
Maximum power point of operating voltage -VMPP (V)	36.0	36.1	36.2	36.2	36.3	36.3	36.4
Maximum power point of operating current -IMPP (A)	7.23	7.35	7.47	7.60	7.72	7.85	7.97
Open circuit voltage -Voc (V)*	44.2	44.2	44.2	44.3	44.3	44.4	44.4
Short circuit current - Isc (A)	8.06	8.14	8.21	8.28	8.36	8.42	8.49
NOCT: Irradiance 800W / m <sup>2</sup> , ambient temperature of 20 ° C, wind speed 1m / s							



Temperature Rating		Limit parameter	
Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)	Working Temperature	-40~+85°C
Maximum power (PMAX) Temperature Coefficient	- 0.39%/°C	Maximum fuse rated Current	15A
Open-circuit voltage (VOC) Temperature Coefficient	- 0.29%/°C	Maximum system voltage	1500VDC (TUV)
Short circuit current (ISC) Temperature Coefficient	0.05%/°C	Maximum system voltage	1500VDC (CSA)

Mechanical Specifications	
Solar cell Type	156.75mm × 156.75mm Poly-crystalline
Number of Cells	1 module 72pieces (6 × 12)
Dimensions	1956*992*40mm 77.00*39.06*1.57 inch
Weight	23 kg
Glass	3.2mm, High transparency, anti-reflective coatings toughened glass
Junction Box	Protection level IP 68
Frame	Black/ white, anodized aluminum
Backsheet	Black/ white
Busbar	Black/ white
Cable	4.0 mm <sup>2</sup> , 1200 mm Photovoltaic dedicated cables
Connector	MC4 compatible



## Warranty

- 15-year warranty for product
- 25-year warranty for linear power
- Please refer to product warranty for details

## Packaging Method

- Modules per box: 26 pcs
- Modules per 40 ft container: 624 pcs
- Installation depends on the mechanical load