



## Poly-Crystalline Solar Module

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

### Product Specifications Book



PID free module  
Anti-PID cell technology  
Anti-PIDencapsulation technology



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



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



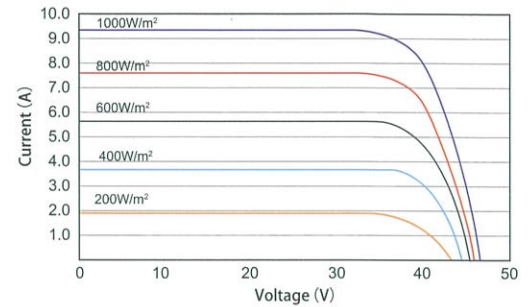
Improve safety  
1000VDC (UL) / 1500VDC (CSA) certified  
2 EL inspections per cell/module for defect-free consistency



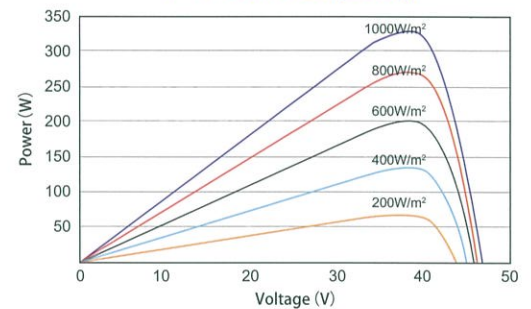
Load certificates: wind to 2400Pa  
and snow to 5400Pa



### I-V Curves (335)



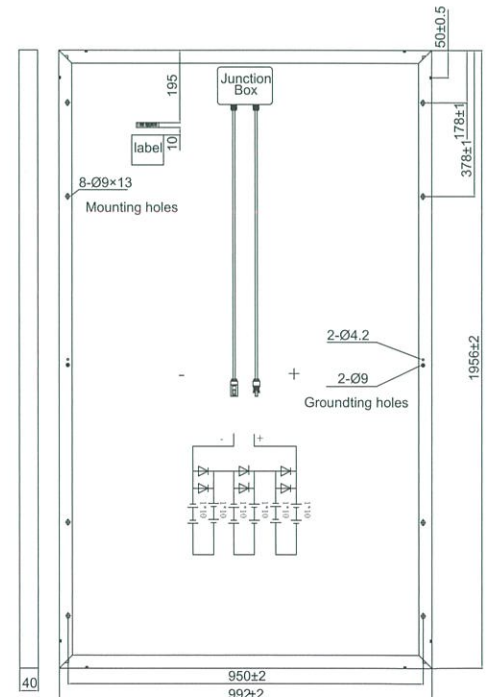
### P-V Curves (335)



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)							

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	1000VDC (UL)
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

- 10-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



## Tainergy Tech Co., Ltd.

Address: No.5, Tzu-Chiang 1st Road, Chungli Industrial Zone, Taoyuan city, Taiwan

Tel: +886-3-272-6688 E-mail: tainergy@tainergy.com WEBSITE : www.tainergy.com