

Poly-Crystalline Solar Module

60pieces	260-285W
Poly-crystalline Module	Power Output Range
17.5%	0~+5W
Maximum Efficiency	Power Tolerance

Product Specifications Book



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



IEC 61215, IEC 61730and CE
ISO 9001 for Quality Management Systems
ISO 14001 for Environmental Management Systems
QHSAS 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



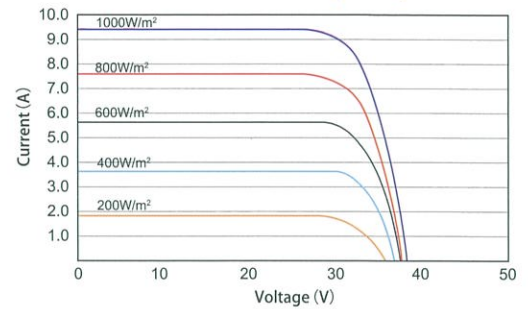
Load certificates: wind to 2400Pa
and snow to 5400Pa



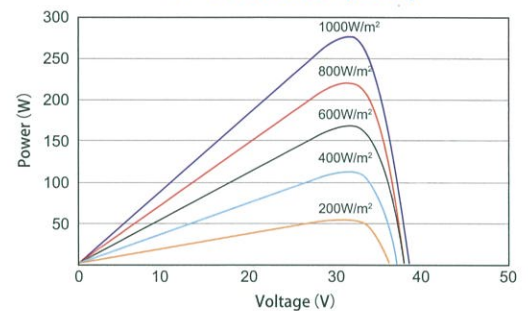
Electrical Specifications (standard test conditions)

Maximum Power -P _{MAX} (Wp)	260	265	270	275	280	285
Power Tolerance -P _{MAX} (W)	0 ~ +5					
Maximum power point of operating voltage-VMPP (V)	30.6	30.8	30.9	31.1	31.4	31.7
Maximum power point of operating current -IMPP (A)	8.50	8.61	8.73	8.84	8.92	9.01
Open circuit voltage -V _{oc} (V)*	38.2	38.3	38.4	38.5	38.7	38.9
Short circuit current - I _{sc} (A)	9.00	9.10	9.18	9.25	9.34	9.42
Module Efficiency η _m (%)	15.9	16.2	16.6	16.9	17.2	17.5
Standard test conditions under Measured Value:(air quality AM1.5, Irradiance 1000W / m ² , cell temperature 25 ° C)						

I-V Curves (280)



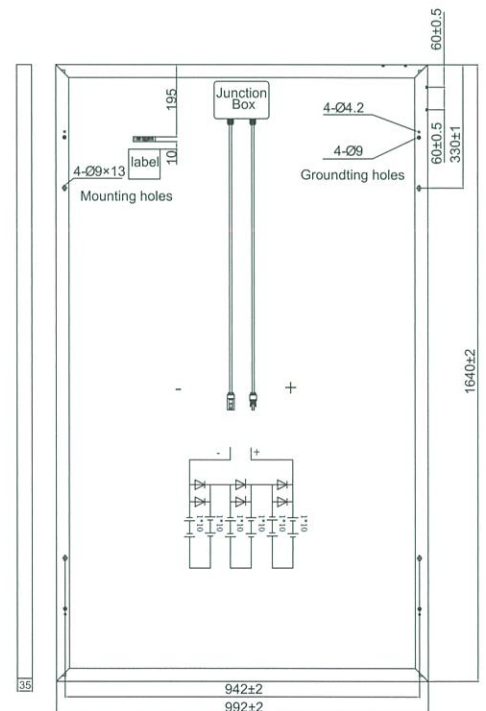
P-V Curves (280)



Temperature Rating		Limit parameter	
Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)	Working Temperature	-40~+85°C
Maximum power (P _{MAX}) 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 60pieces (6 × 10)
Dimensions	1640*992*35mm 64.57*39.06*1.38 inch
Weight	18.6 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 ² , 1000 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: 30 pcs
- Modules per 40 ft container: 840 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