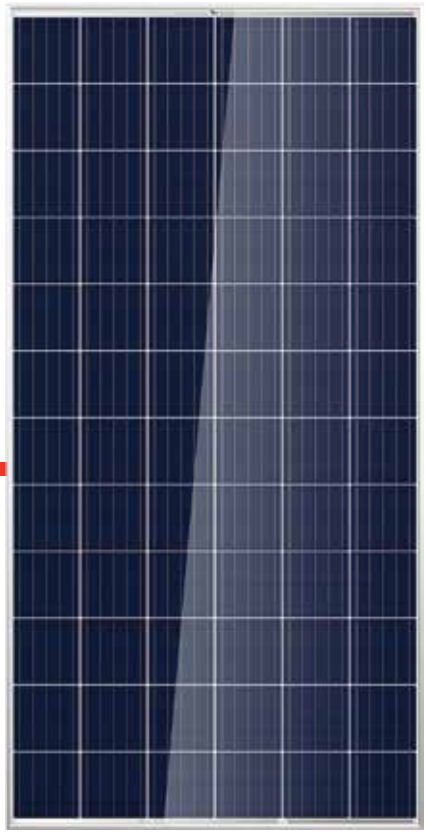


72 CELL
MULTICRYSTALLINE MODULE

320-340W
POWER OUTPUT RANGE

17.5%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

Founded in ²008, Tidesolar is the China's leading comprehensive solutions provider for solar energy.we believe close cooperation with our partners is critical to success. Tidesolar now distributes its PV products to over 30 countries all over the world. Tidesolar is able to provide exceptional service to each customer in each market and supplement our innovative,reliable products with the backing of Tidesolar as a strong, bankable partner.We are committed to building strategic, mutually beneficial collaboration with installers, developers,distributors and other partners.

Comprehensive Products And System Certificates

IEC61215/IEC61730/UL1703/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse gases Emissions Verification
OHSAS 18001: Occupation Health and Safety Management System

Ideal for large scale installations

- High powerful footprint reduces installation time and BOS costs
- 1000V UL/1000V IEC certified

One of the industry's most trusted modules

- Field proven performance
- Strong, reliable supplier

Highly reliable due to stringent quality control

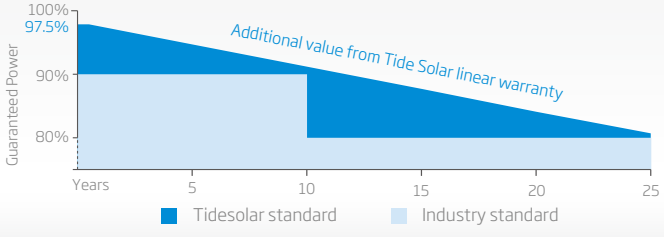
- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant
- 100% EL double inspection

Certified to withstand the most challenging environmental conditions

- 2400 Pa wind load
- 5400 Pa snow load
- 35 mm hail stones at 97 km/h

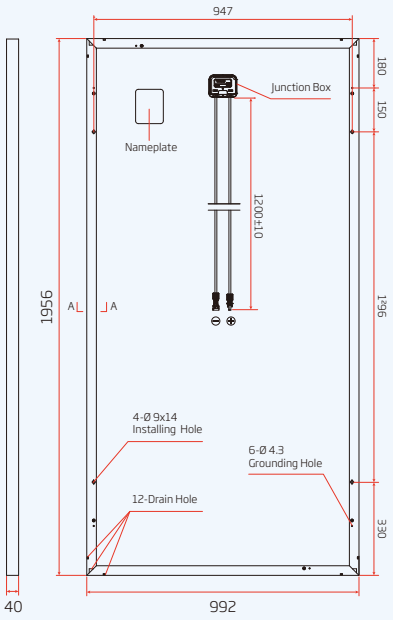
LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty · 25 Year Linear Power Warranty

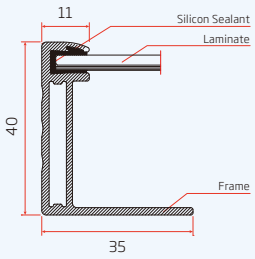


PRODUCTS	POWER RANGE
TDP7²	320-340W

DIMENSIONS OF PV MODULE(mm)

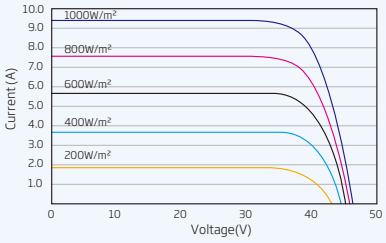


Back View

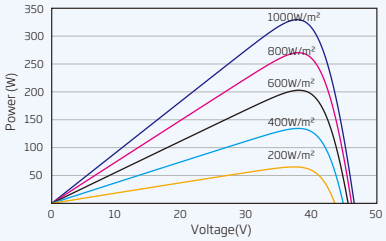


(A-A)

I-V CURVES OF PV MODULE(335W)



P-V CURVES OF PV MODULE(335W)



ELECTRICAL DATA (STC)

Peak Power Watts-P_{MAX} (Wp)*	320	325	330	335	340
Power Output Tolerance-P_{MAX} (W)	0 ~ +5				
Maximum Power Voltage-V_{MPP} (V)	37.1	37.2	37.4	37.6	37.8
Maximum Power Current-I_{MPP} (A)	8.63	8.73	8.83	8.91	8.99
Open Circuit Voltage-V_{OC} (V)	45.5	45.6	45.8	46.0	46.2
Short Circuit Current-I_{SC} (A)	9.15	9.19	9.28	9.35	9.42
Module Efficiency η_m (%)	16.5	16.7	17.0	17.2	17.5

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.
*Measuring tolerance: ±3%.

ELECTRICAL DATA (NOCT)

Maximum Power-P_{MAX} (Wp)	237	241	245	249	252
Maximum Power Voltage-V_{MPP} (V)	34.3	34.4	34.6	34.8	35.0
Maximum Power Current-I_{MPP} (A)	6.92	7.00	7.08	7.14	7.21
Open Circuit Voltage-V_{OC} (V)	42.1	42.2	42.4	42.6	42.8
Short Circuit Current-I_{SC} (A)	7.39	7.42	7.49	7.55	7.60

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Multicrystalline 156.75 × 156.75 mm (6 inches)
Cell Orientation	72 cells (6 × 12)
Module Dimensions	1956 × 992 × 40 mm (77.2 × 39.1 × 1.57 inches)
Weight	22.5 kg (49.6 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²), 1200 mm (47.2 inches)
Connector	MC4/UTX/TS4/QC4*

*Please refer to regional datasheet for specified connector.

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	44°C (±2°C)
Temperature Coefficient of P_{MAX}	- 0.41%/°C
Temperature Coefficient of V_{OC}	- 0.32%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1000V DC (IEC) 1000V DC (UL)
Max Series Fuse Rating	15A

(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

WARRANTY

10 year Product Workmanship Warranty
25 year Linear Power Warranty

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 27 pieces
Modules per 40' container: 648 pieces