

**72 LAYOUT**  
MONOCRYSTALLINE MODULE

**340-375W**  
POWER OUTPUT RANGE

**19.3%**  
MAXIMUM EFFICIENCY

**0~+5W**  
POSITIVE POWER TOLERANCE

PRODUCTS	COLOR OF FRAME	POWER RANGE
TDM7 <sup>2</sup>	Silver	340-375W



**Excellent low light performance on cloudy days, mornings and evenings**

- Advanced surface texturing
- Back surface field
- Selective emitter



**Maximize limited space with top-end efficiency**

- Up to 193 W/m<sup>2</sup> power density
- Low thermal coefficients for greater energy production at high operating temperatures



**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



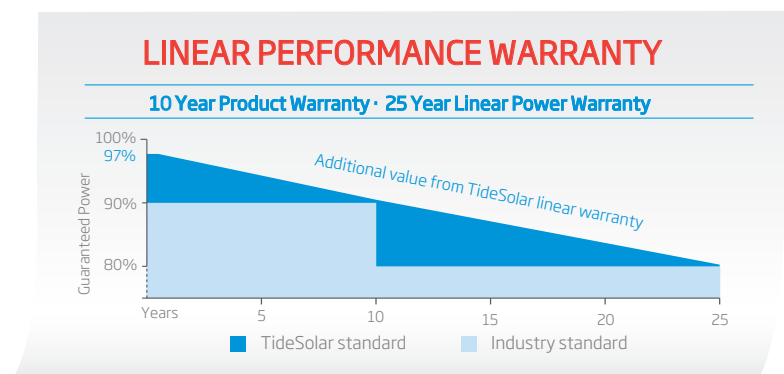
**Certified to withstand the most challenging environmental conditions**

- 2400 Pa negative load
- 5400 Pa positive load

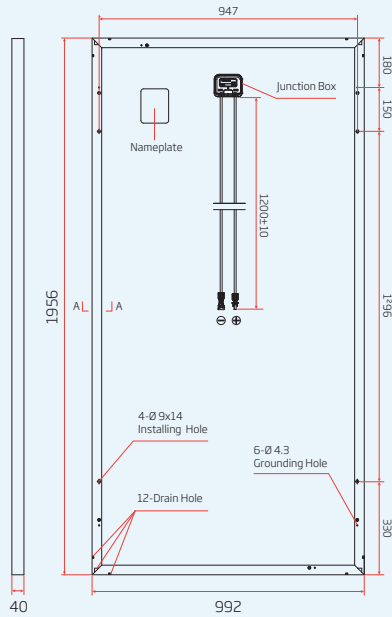
Founded in 2008, TideSolar is the China's leading comprehensive solutions provider for solar energy. we believe close cooperation with our partners is critical to success. TideSolar now distributes its PV products to over 30 countries all over the world. TideSolar is able to provide exceptional service 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**

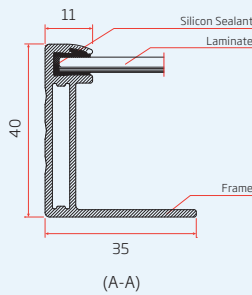
IEC61215/IEC61730/UL1703/IEC61701/IEC62716  
 ISO 9001: Quality Management System  
 ISO 14001: Environmental Management System  
 ISO14064: Greenhouse gases Emissions Verification  
 OHSAS 18001: Occupation Health and Safety Management System



## DIMENSIONS OF PV MODULE(mm)

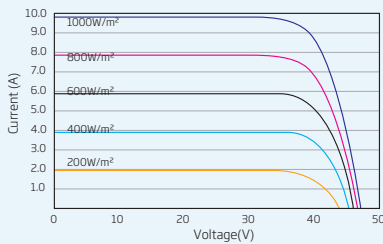


Back View(Portrait/Landscape)

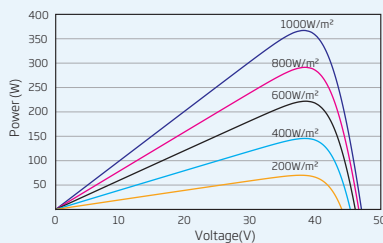


(A-A)

## I-V CURVES OF PV MODULE(365W)



## P-V CURVES OF PV MODULE(365W)



## ELECTRICAL DATA (STC)

Peak Power Watts- $P_{MAX}$ (Wp)*	340	345	350	355	360	365	370	375
Power Output Tolerance- $P_{MAX}$ (W)	0 ~ +5							
Maximum Power Voltage- $V_{MPP}$ (V)	38.2	38.5	38.7	38.8	39.0	39.3	39.7	40.0
Maximum Power Current- $I_{MPP}$ (A)	8.90	8.96	9.04	9.14	9.24	9.30	9.33	9.37
Open Circuit Voltage- $V_{OC}$ (V)	46.2	46.7	47.0	47.4	47.7	48.0	48.3	48.5
Short Circuit Current- $I_{SC}$ (A)	9.50	9.55	9.60	9.65	9.70	9.77	9.83	9.88
Module Efficiency $\eta_m$ (%)	17.5	17.7	18.0	18.3	18.5	18.8	19.0	19.3

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.

\*Measuring tolerance:  $\pm 3\%$ .

## ELECTRICAL DATA (NOCT)

Maximum Power- $P_{MAX}$ (Wp)	253	257	261	264	268	272	276	279
Maximum Power Voltage- $V_{MPP}$ (V)	35.4	35.7	35.9	36.0	36.2	36.4	36.8	37.1
Maximum Power Current- $I_{MPP}$ (A)	7.15	7.20	7.26	7.34	7.42	7.47	7.50	7.53
Open Circuit Voltage- $V_{OC}$ (V)	42.9	43.4	43.7	44.1	44.3	44.6	44.9	45.1
Short Circuit Current- $I_{SC}$ (A)	7.67	7.71	7.75	7.79	7.83	7.89	7.94	7.98

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

## MECHANICAL DATA

Solar Cells	Monocrystalline 156.75 × 156.75 mm (6.17 inches)
Cell Orientation	72 cells (6 × 12)
Module Dimensions	1956 × 992 × 40 mm (77.17 × 39.06 × 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	40mm (1.57 inches) Anodized Aluminium Alloy
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), Portrait/Landscape: N 1200 mm / P 1200 mm (47.24/47.24 inches)
Connector	MC4/UTX/TS4/QC4/MC4 EVO2*

\* Please refer to regional datasheet for specified connector.

## TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	44°C ( $\pm 2^\circ\text{C}$ )
Temperature Coefficient of $P_{MAX}$	-0.39%/°C
Temperature Coefficient of $V_{OC}$	-0.29%/°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	20A

(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