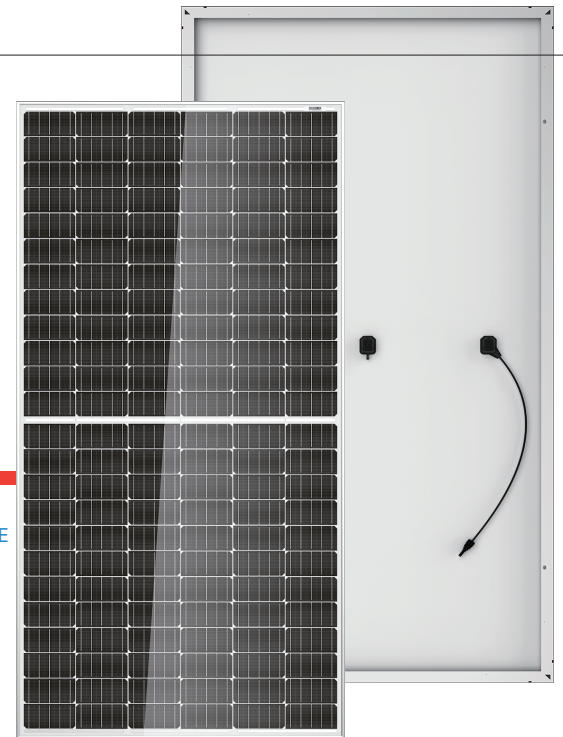


# THE SPLITMAX

## FRAMED 72 LAYOUT MODULE



### 72 LAYOUT MONOCRYSTALLINE MODULE

### 355-395W POWER OUTPUT RANGE

### 19.9% MAXIMUM EFFICIENCY

### 0~+5W POSITIVE POWER TOLERANCE

PRODUCTS	COLOR OF FRAME	POWER RANGE
TSM-DE14H(II)	Silver	355-395W
TSM-DE14H.08(II)	Black	355-395W



#### Ideal for large scale installations

- Reduce BOS cost by connecting more modules in a string
- 1500V IEC certified



#### Half-cell design brings higher efficiency

- New cell string layout and split J-box location to reduce the energy loss caused by shading between modules
- LRF(Light Redirecting Film) integrated to gain more power
- Low thermal coefficients for greater energy production at high operating temperatures
- Low cell connection power losses



#### Highly reliable due to stringent quality control

- Over 30 in-house tests (UV, TC, HF etc)
- Internal test requirement of Trina more stringent than certification authority
- PID resistant
- 100% EL double inspection



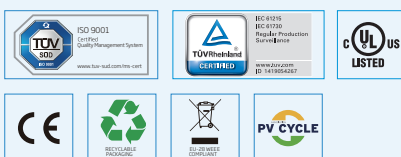
#### Certified to withstand the most challenging environmental conditions

- 2400 Pa negative load
- 5400 Pa positive load

Founded in 1997, Trina Solar is the world's leading comprehensive solutions provider for solar energy. we believe close cooperation with our partners is critical to success. Trina Solar now distributes its PV products to over 60 countries all over the world. Trina is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of Trina 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

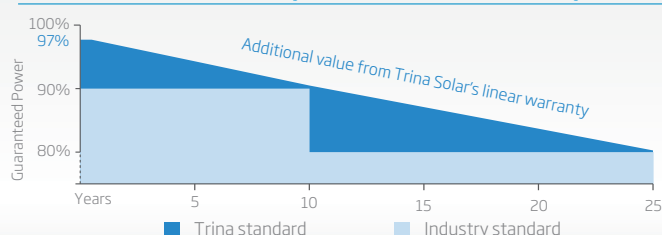
IEC61215/IEC61730/UL1703/IEC61701/IEC62716  
ISO 9001: Quality Management System  
ISO 14001: Environmental Management System  
ISO14064: Greenhouse gases Emissions Verification  
OHSAS 18001: Occupation Health and Safety Management System



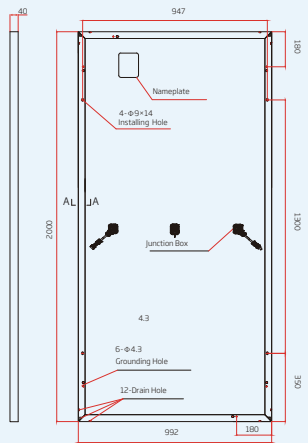
**Trina**solar

#### LINEAR PERFORMANCE WARRANTY

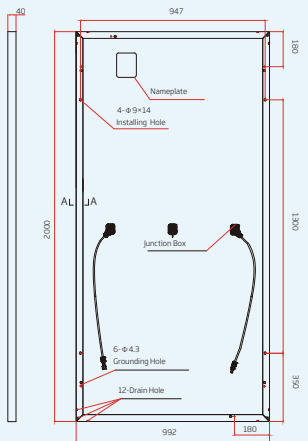
10 Year Product Warranty · 25 Year Linear Power Warranty



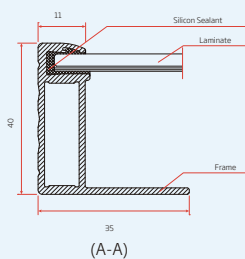
### DIMENSIONS OF PV MODULE(mm)



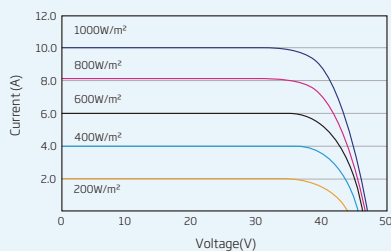
Back View(Portrait)



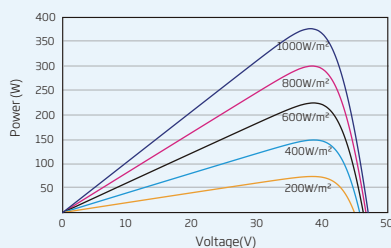
Back View(Landscape



### I-V CURVES OF PV MODULE(375W)



### P-V CURVES OF PV MODULE(375W)



### ELECTRICAL DATA (STC)

Peak Power Watts-P <sub>MAX</sub> (Wp)*	355	360	365	370	375	380	385	390	395
Power Output Tolerance-P <sub>MAX</sub> (W)	0 ~ +5								
Maximum Power Voltage-V <sub>MPP</sub> (V)	38.6	38.8	39.0	39.2	39.4	39.6	40.1	40.5	40.8
Maximum Power Current-I <sub>MPP</sub> (A)	9.21	9.28	9.37	9.44	9.52	9.60	9.61	9.64	9.69
Open Circuit Voltage-V <sub>OC</sub> (V)	46.9	47.2	47.4	47.6	47.8	48.0	48.5	49.7	50.1
Short Circuit Current-I <sub>SC</sub> (A)	9.68	9.73	9.83	9.88	9.93	9.99	10.03	10.08	10.13
Module Efficiency η <sub>m</sub> (%)	17.9	18.1	18.4	18.6	18.9	19.2	19.4	19.7	19.9

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.  
\*Measuring tolerance: ±3%.

### ELECTRICAL DATA (NOCT)

Maximum Power- $P_{MAX}$ (Wp)	265	268	272	276	280	284	287	291	295
Maximum Power Voltage- $V_{MPP}$ (V)	35.9	36.2	36.3	36.6	36.9	37.1	37.4	37.9	38.2
Maximum Power Current- $I_{MPP}$ (A)	7.38	7.42	7.49	7.54	7.59	7.64	7.67	7.68	7.70
Open Circuit Voltage- $V_{OC}$ (V)	43.7	44.0	44.2	44.4	44.5	44.7	45.2	46.3	46.7
Short Circuit Current- $I_{SC}$ (A)	7.82	7.86	7.94	7.98	8.02	8.07	8.10	8.14	8.18

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

## MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	144 cells (6 × 24)
Module Dimensions	2000 × 992 × 40 mm (78.74 × 39.06 × 1.57 inches)
Weight	26.5 kg ( 58.4 lb)
Glass	4.0mm(0.16 inches )
Encapsulant Material	EVA(White/Transparent)
Backsheet	White
Frame	40 mm (1.57 inches) Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²), Portrait: N 140mm/P 285mm(5.51/11.22inches) Landscape: N 1400 mm /P 1400 mm (55.12/55.12 inches)
Connector	TS4/MC4-EV02

## TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	44°C (±2°C)
Temperature Coefficient of P <sub>MAX</sub>	- 0.37%/°C
Temperature Coefficient of V <sub>oc</sub>	- 0.29%/°C
Temperature Coefficient of I <sub>sc</sub>	0.05%/°C

(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)

## MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC) 1500V DC (UL)
Max Series Fuse Rating	20A

## PACKAGING CONFIGURATION

Modules per box: 27 pieces

Modules per 40' container: 594 pieces