

### Electrical Data

Model - STC		TMM365-144	TMM370-144	TMM375-144	TMM380-144	TMM385-144	TMM390-144
Maximum Rating Power (Pmax)	[W]	365	370	375	380	385	390
Module Efficiency	[%]	18.4	18.7	19.0	19.3	19.6	19.9
Open Circuit Voltage (Voc)	[V]	47.59	47.77	47.96	48.15	48.34	48.53
Maximum Power Voltage	[V]	38.58	39.02	39.37	39.71	40.05	40.39
Short Circuit Current (Isc)	[A]	10.02	10.05	10.08	10.10	10.13	10.16
Maximum Power Current	[A]	9.44	9.48	9.53	9.57	9.61	9.66

\*Standard Test Condition (STC): Cell Temperature 25 °C, Irradiance 1000 W/m<sup>2</sup>, AM 1.5  
\*Values without tolerance are typical numbers.

### Mechanical Data

Item	Specification
Dimensions	2000 mm (L) <sup>1</sup> x 992 mm (W) <sup>1</sup> x 35 mm (D) / 78.74" (L) <sup>1</sup> x 39.1" (W) <sup>1</sup> x 1.38" (D)
Weight	23 kg / 50.7 lbs
Solar Cell	144 half-cut monocrystalline 6" silicon cells
Front Glass	Anti-reflective tempered solar glass, 3.2mm thickness
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Cover	Composite film, white
Junction Box	IP 67 rated
Frame	Anodized aluminum frame, original or black
Packaging Configuration	30 pcs Per Pallet, 704 pcs per 40' HQ container

### Operating Conditions

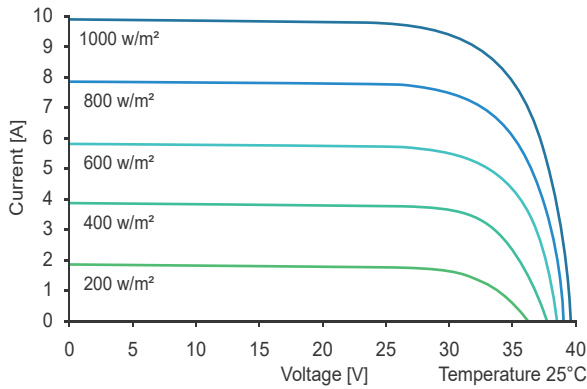
Item	Specification
Mechanical Load	5400 Pa acc. to IEC 61215
Maximum System Voltage	TUV 1000 VDC / UL 1500 VDC
Series Fuse Rating	18 A
Operating Temperature	-40 to 85 °C

### Temperature Characteristics

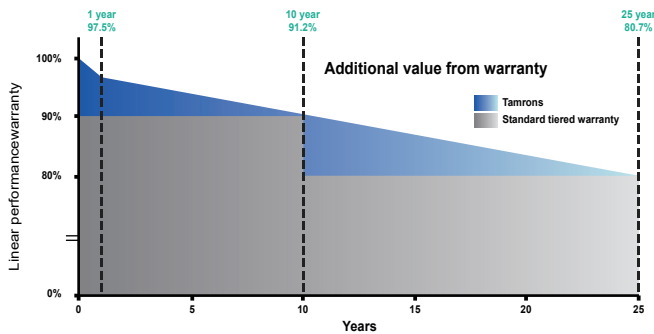
Item	Specification
Nominal Module Operating Temperature	44°C ± 2°C
Temperature Coefficient of Isc	0.06 % / °C
Temperature Coefficient of Voc	-0.28 % / °C
Temperature Coefficient of Pmax	-0.38 % / °C

\*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m<sup>2</sup>, temperature 20°C, windspeed 1 m/s.  
\*Reduction in efficiency from 1000W/m<sup>2</sup> to 200W/m<sup>2</sup> at 25°C: 3 ± 2%.

### Dependence on Irradiance



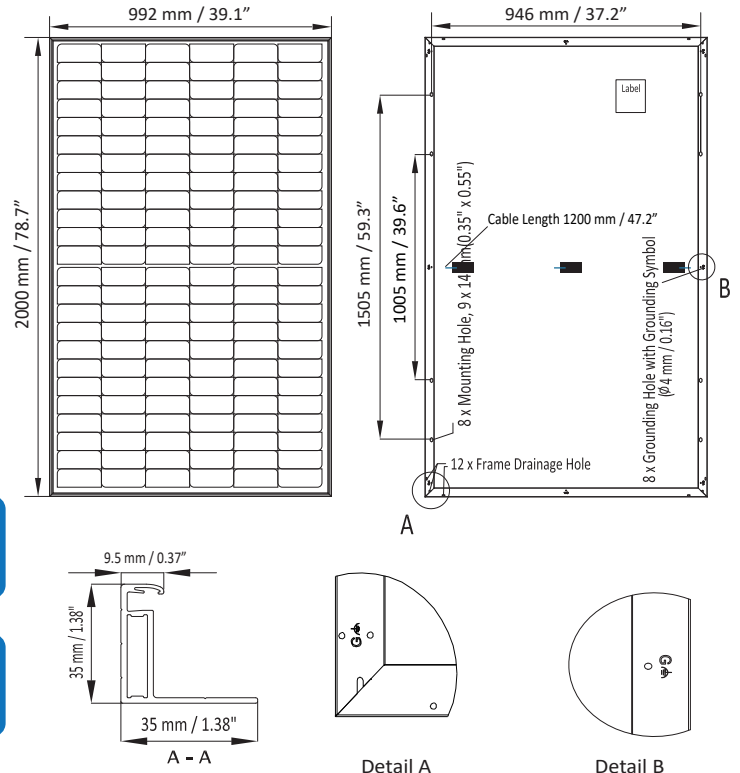
### Reliability with Warranty



Output warranty  
**25**  
Years

Product Guarantee  
**10**  
Years

### Engineering Drawing (mm)



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Positive Power Tolerance +0 ~ +4.99 w



Withstand Heavy Loading  
Front load 5400 Pa & Rear Load 2400 Pa



Excellent Low Light Performance  
3.5% relative eff. reduction at low-irradiance (200w/m<sup>2</sup>)



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