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Solar Panel Guide Specification Data Sheet

Tamrons Active International Limited

TMM310~335

TMM335-122

Also available on the web at
EnergyPal.com/tamrons-active-international-limited-solar-panels/tmm335-122

Electrical Data

Model - STC		TMM310-122	TMM315-122	TMM320-122	TMM325-122	TMM330-122	TMM335-122
Maximum Rating Power (Pmax)	[W]	310	315	320	325	330	335
Module Efficiency	[%]	18.7	19.0	19.3	19.6	19.9	20.2
Open Circuit Voltage (Voc)	[V]	40.09	40.15	40.20	40.25	40.30	40.35
Maximum Power Voltage	[V]	33.09	33.18	33.26	33.34	33.43	33.51
Short Circuit Current (Isc)	[A]	9.86	10.00	10.14	10.28	10.42	10.56
Maximum Power Current	[A]	9.37	9.49	9.62	9.75	9.87	10.00

*Standard Test Condition (STC): Cell Temperature 25 °C, Irradiance 1000 W/m², AM 1.5
*Values without tolerance are typical numbers.

Mechanical Data

Item	Specification
Dimensions	1675 mm (L) ¹ x 992 mm (W) ¹ x 35 mm (D) ² / 65.9" (L) ¹ x 39.1" (W) ¹ x 1.38" (D) ²
Weight	19 kg / 41.9 lbs
Solar Cell	120 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, 896 pcs per 40' HQ container

Operating Conditions

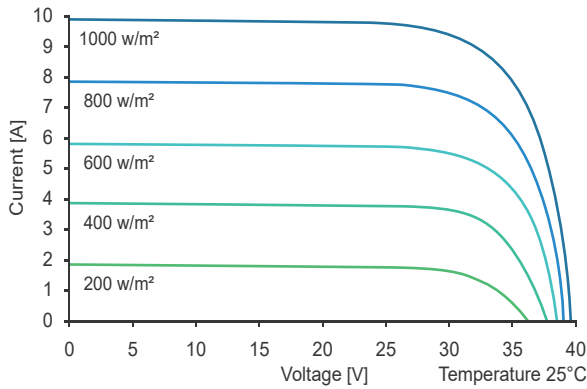
Item	Specification
Mechanical Load	5400 Pa acc. to IEC 61215
Maximum System Voltage	TUV 1000 VDC / UL 1500 VDC
Series Fuse Rating	18 A
Operating Temperature	-40 to 85 °C

Temperature Characteristics

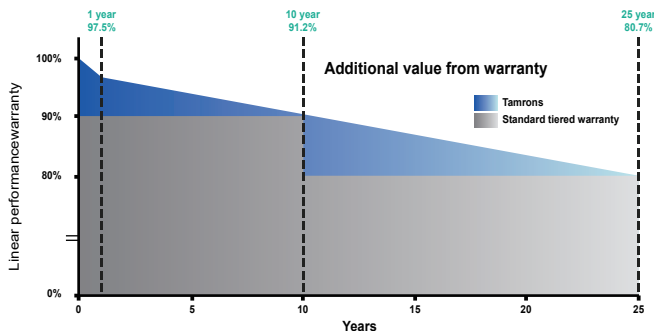
Item	Specification
Nominal Module Operating Temperature	44°C ± 2°C
Temperature Coefficient of Isc	0.06 % / °C
Temperature Coefficient of Voc	-0.28 % / °C
Temperature Coefficient of Pmax	-0.38 % / °C

*Nominal module operating temperature (NMOT): Air mass AM 1.5, irradiance 800W/m², temperature 20°C, windspeed 1 m/s.
*Reduction in efficiency from 1000W/m² to 200W/m² at 25°C: 3 ± 2%.

Dependence on Irradiance



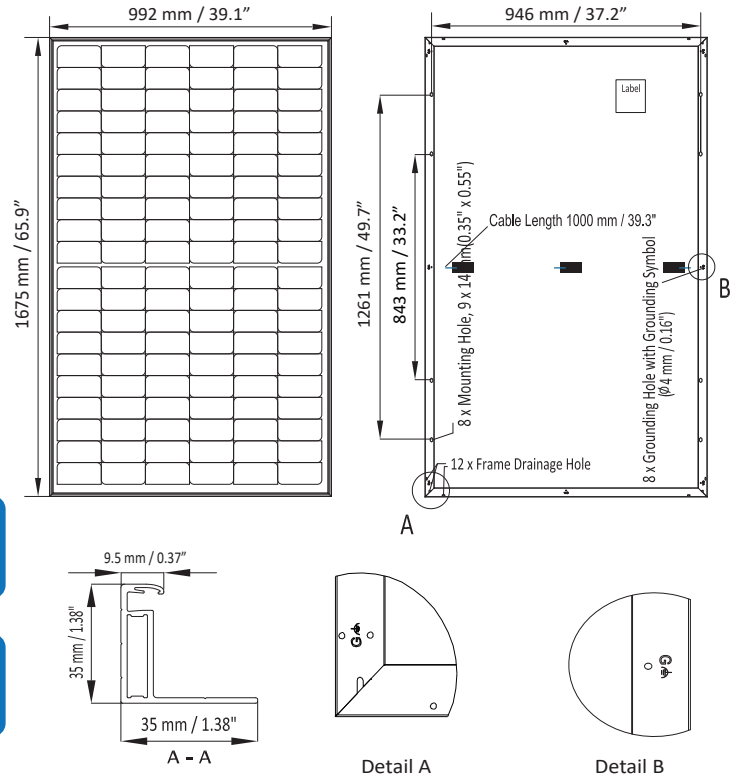
Reliability with Warranty



Output warranty
25
Years

Product Guarantee
10
Years

Engineering Drawing (mm)



* The datasheet is for informational purposes only and subject to change without prior notice. Copyright © 2018 TAMRONS All rights reserved.



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/m²)



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 web: www.tamrons.com; mail: sales@tamrons.com
 Production plants in China, Taiwan, Dubai and Thailand
 can meet the customer's needs and brand OEM

