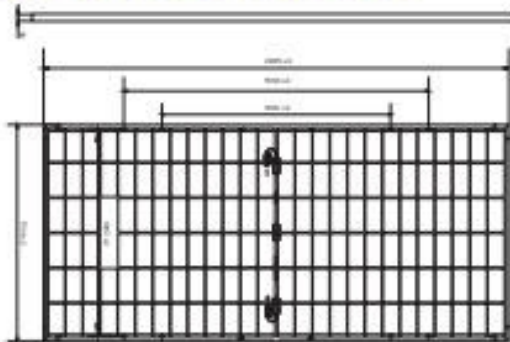


N-TOPCon M10 620W ~ 635W

(Importer Identification)

Mechanical Specifications



Size	2465 x 1134 x 30mm
Weight	Approximately 33.5kg
Solar Cell	N-TOPCon double-sided single crystal, (182x91mm) 156Cell
Front	2.0mm high transmittance tempered glass (anti-reflective coating)
Back	2.0mm, semi-tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 bypass diodes
Cable	4mm ² Solar cable, 300mm, (Customizable)
Connector	MC4 compatible

Electrical Specifications

Items	SS-JM 620TC		SS-JM 625TC		SS-JM 630TC		SS-JM 635TC	
	STC ¹	BNPI ²	STC ¹	BNPI ²	STC ¹	BNPI ²	STC ¹	BNPI ²
Maximum Power Point Power (P _{max}) (W)	620	649.45	625	654.74	630	659.89	635	665.06
Open-Circuit Voltage (V _{oc}) (V)	55.20	57.96	55.30	58.07	55.43	58.20	55.50	58.28
Short-Circuit Current (I _{sc}) (A)	14.17	14.17	14.25	14.25	14.32	14.32	14.37	14.37
Maximum Power Point Voltage (V _{mp}) (V)	46.20	48.39	46.30	48.50	46.63	48.84	46.96	49.19
Maximum Power Point Current (I _{mp}) (A)	13.42	13.42	13.50	13.50	13.51	13.51	13.52	13.52
Efficiency (Eff) (%)	22.18	24.04	22.36	24.24	22.54	24.43	22.72	24.62

STC¹: Irradiance 1,000W/m², Module Temperature 25°C, AM=1.5 (IEC 60904), Measurement Tolerance: ±3%

BNPI²: Irradiance 1,000W/m² + φ x 135W/m², Module Temperature 25°C, AM=1.5 (IEC 60904-1-2), Bifacial Generation may vary depending on the surrounding environment (albedo).

System Design Specifications

Maximum System Voltage	1500V	Rated Serial Fuse	30A
Maximum Test Load	5400 / 2400 Pa	Module Operating Temperature	-40~+85 °C
Light Reflectance (Visible Spectrum)	6.05%(4.7%)	LID / PID TEST	Complete

Performance Guarantee

Product Warranty	12 years product warranty
Performance Warranty	99% output guaranteed for 1 year 87.4% of output guaranteed for 2 to 30 years Up to 0.4% degradation per year

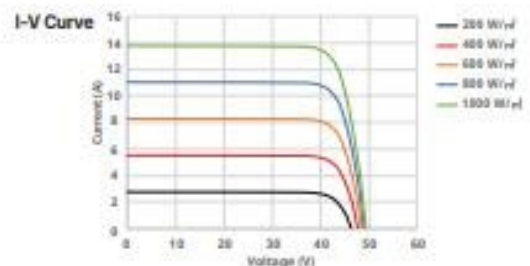
Temperature Coefficients

Short-Circuit Current (I _{sc}) [α]	0.045 % / °C	Open-Circuit Voltage (V _{oc}) [β]	-0.25 % / °C
Maximum Power Point Power (P _{max}) [γ]	-0.30 % / °C	Nominal Operating Cell Temperature (NOCT)	Testing

Packaging Specifications

Packaging Size	2485 x 1154 x 1110mm	Vehicle Loading(Pallets / Loading Capacity)
Packaging Weight	1,254kg	8 pallets / 20ft container
Pallets	36 sheets	
Vehicle Loading	Vertical loading	16 pallets / 40ft container

- Note**
- This product must be installed according to Shinsung E&G's official installation manual.
 - For information regarding the official installation manual, please contact Shinsung E&G.
 - Depending on the circumstances of the manufacturer (Human Red Solar, China), the data in the specifications may be changed without prior notice.
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If you have any inquiries about Shinsung E&G, please contact us at the following address: ● AS inquiry 063-543-7811

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