

## MONO TW295MW-60 Series Component Specifications

ELECTRICAL DATA (STC)								
Maximum Power-PMAX (Wp)	295	290	285	280	275	270	265	260
Maximum Power Voltage-VMPP (V)	295	290	285	280	275	270	265	260
Open Circuit Voltage-VOC (V)	39.2	39.0	38.8	38.6	38.4	38.2	38	37.8
Short Circuit Current-ISC (A)	9.54	9.47	9.40	9.33	9.26	9.19	9.12	9.05
Maximum Power Voltage-VMPP (V)	32.2	32.1	31.9	31.7	31.5	31.4	31.2	31.0
Maximum Power Current-IM (A)	9.15	9.05	8.95	8.84	8.72	8.60	8.50	8.39
Module Efficiency (%)	18.2	17.9	17.6	17.2	16.9	16.6	16.3	16
ELECTRICAL DATA (NOCT)								
Maximum Power-PMAX (Wp)	212	209	206	203	200	197	194	191
Open Circuit Voltage-VOC (V)	35.9	35.7	35.5	35.3	35.1	34.9	34.7	34.5
Short Circuit Current-ISC (A)	7.84	7.76	7.68	7.60	7.52	7.52	7.44	7.36
Maximum Power Voltage-VMPP (V)	29.3	29.1	28.9	28.7	28.5	28.3	28.1	27.9
Maximum Power Current-IM (A)	7.24	7.18	7.13	7.07	7.02	6.96	6.90	6.85

**Description:**

1. STC: Irradiance 1000W / m<sup>2</sup>; AM 1.5; Ambient temperature 25 °C; Test according to EN 60904-3;
2. NOCT: Irradiance 800W / m<sup>2</sup>; Wind speed 1 m / s; Battery temperature 45 °C; Ambient temperature 20 °C.
3. Pm Tolerance: 0 ~ + 5%, Power Test Uncertainty: ± 3%. ± 5% of test tolerance for Voc [V], Isc [A], Vm [V] and Im [A].

**MECHANICAL DATA**

Module Dimensions	1640×990×35 mm (L×W×H)
Weight	18.2 kg
Glass	Ultra-white embossed steel, 3.2 mm (0.13 inches)
Packaging materials	EVA
Solar Cells	Multicrystalline 156.75 × 156.75 mm (6 inches), 6×10
Backsheet	High weather resistance composite membrane
Frame	Anodized Aluminium Alloy
J-Box	13A, IP67, TUV&UL
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), 1000 mm (39.4 inches)
Connector	MC4 compatible

**TEMPERATURE RATINGS**

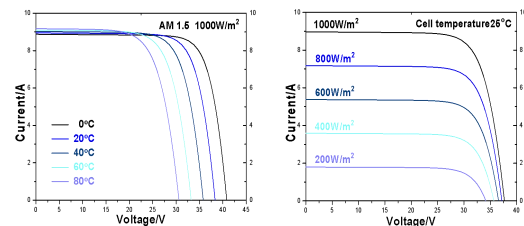
NOCT	45°C ( ±2°C )
Temperature Coefficient of VOC	-0.32%/°C
Temperature Coefficient of ISC	0.045%/°C
Temperature Coefficient of PMAX	-0.41%/°C

**MAXIMUM RATINGS**

Maximum System Voltage	DC 1500/1000(IEC); DC 1000(UL)
Max Series Fuse Rating	20
Max positive static load [Pa]	5,400
Operational Temperature	- 40 to + 85
Resist hail performance	max diameter45 mm Impact speed 30.7 m·s <sup>-1</sup>

**OTHER DATA**

Package	30 pieces / box; 840 pieces / 40 'cabinet ; 1440
Warranty	10 years of product material and process warranty
	25 year linear power output warranty

**I-V CURVES**


BLUEPRINT

