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Solar Panel Guide Specification Data Sheet

Changzhou Tianma Photovoltaic Electronic Co., Ltd.

TM-M6-D60 (280-295W)

TM-D60-60-295

Also available on the web at

EnergyPal.com/changzhou-tianma-photovoltaic-electronic-co-ltd-solar-panels/tm-d60-60-295

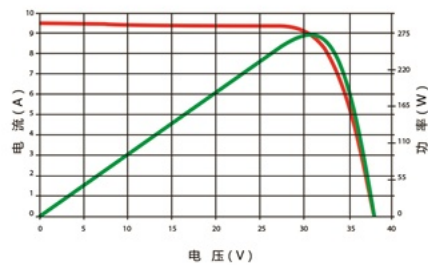
TM-M6-D60 Cells 280-295W



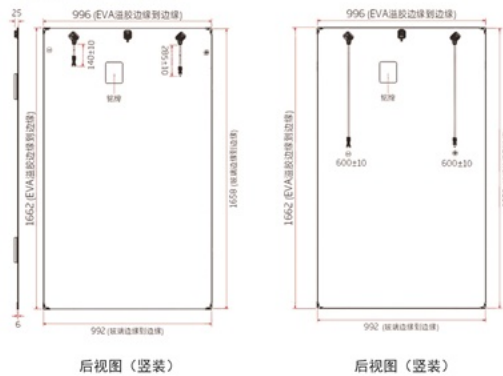
Features

- Maximum efficiency reached 16.49%
- 25 years of output guarantee
- Excellent anti-pid performance through PID test
- The biggest snow pressure reached 5400Pa
- Maximum wind pressure reaches 2400Pa

P-V CURVES



DIMENSIONS



PRODUCTS	TM-D60-60-280	TM-D60-60-285	TM-D60-60-290	TM-D60-60-295
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ELECTRICAL DATA

Peak Power Watts-PMAX(Wp)	280	285	290	295
Power Output Tolerance-PMAX (%)	0~+5			
Maximum Power Voltage-VMPP(V)	31.71	31.85	32.16	32.42
Maximum Power Current-IMPP(A)	8.83	8.95	9.02	9.1
Open Circuit Voltage -VOC (V)	38.48	38.59	38.86	39.32
Short Circuit Voltage -ISC (A)	9.47	9.59	9.66	9.68
Module Efficiency ηm(%)	16.9	17.2	17.5	17.8

MECHANICAL DATA

Solar Cells	Mono 156.75×156.75 mm
Cell Orientation	60(6×12)/10(4×10)
Module Dimension	1658×992×6 mm
Weight	23.5kg
Glass	2.5mm, High Transmission, AR Coated Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68
Cables / Conectors	4mm ² 900m MC4-compatible
Number of Diodes	3

TEMPERATURE RATINGS

NOCT (Nominal Operating Temperature)	45°C (±2°C)
Temperature Coefficient of PMAX	- 0.41% / °C
Temperature Coefficient of VOC	- 0.32% / °C
Temperature Coefficient of ISC	0.05% / °C

MAXIMUM RATINGS

Maximum System Voltage	-40 ~ +85°C
Operational Temperature	1000VDC(IEC)
Max Series Fuse Rating	15A Power ≤285W, 20A Power ≥290W
Maximum load(snow/wind)	5400Pa / 2400Pa

WARRANTY

10 year workmanship warranty	
10 year power warranty	10 year at 90% power output
25 year power warranty	25years at 80% power output

Packaging

Modules per box	30pcs. (40 mm)
Modules per 40ft container	624pcs. (40 mm)

