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**Solar Panel Guide
Specification Data Sheet**

**Changzhou Tianma Photovoltaic Electronic Co., Ltd.
TM-M6 60Cells (275-290W)
TM-M6-60-290**

Also available on the web at
EnergyPal.com/changzhou-tianma-photovoltaic-electronic-co-ltd-solar-panels/tm-m6-60-290

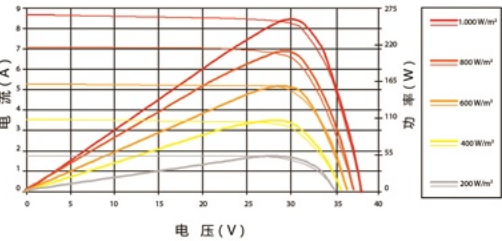
TM- M6 60 Cells 275-290W



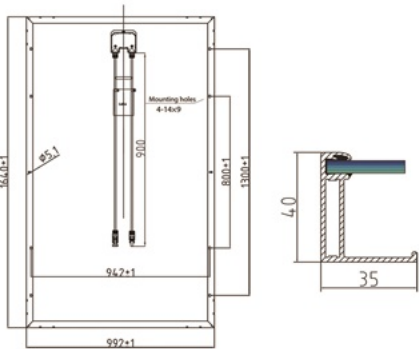
Features

- Maximum efficiency reached 17.52%
- 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-M6-60-275	TM-M6-60-280	TM-M6-60-285	TM-M6-60-290
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ELECTRICAL DATA

Peak Power Watts-PMAX(Wp)	275	280	285	290
Power Output Tolerance-PMAX (%)	0~+5			
Maximum Power Voltage-VMPP(V)	31.07	31.17	31.27	31.37
Maximum Power Current-IMPP(A)	8.85	8.96	9.11	9.15
Open Circuit Voltage -VOC (V)	38.7	38.8	38.9	39.0
Short Circuit Voltage -ISC (A)	9.29	9.41	9.53	9.65
Module Efficiency ηm(%)	16.90	17.21	17.52	17.83

MECHANICAL DATA

Solar Cells	Mono 156×156 mm
Cell Orientation	60(6×10)
Module Dimesion	1640×992×40 mm
Weight	19.5kg
Glass	3.2mm, High Transmission, AR Coated Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68
Cables / Conenctors	4mm² 900m MC4-compatible
Number of Diodes	3

TEMPERATURE RATINGS

NOCT(Nominal Operating Tempreture)	45℃ (±2℃)
Tempreature Coefficient of PMAX	- 0.42% / ℃
Tempreature Coefficient of VOC	- 0.29% / ℃
Tempreature Coefficient of ISC	0.04% / ℃

MAXIMUM RATINGS

Maximum System Voltage	-40 ~ +85℃
Operational Tempreture	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	26pcs. (40 mm)
Modules per 40ft container	784pcs. (40 mm)

