

Features

- Positive power tolerance
0~+4.99 Watt
- High module conversion efficiency
- Excellent weak light performance
- Withstand strong wind/snow load up to 5400 Pa
- 100% EL inline inspection

Performance warranty

- 10-year guarantee for workmanship
- 12-year guarantee of max.10% loss of power
- 25-year guarantee of max.20% loss of power

Certifications and standards

CSA, TUV, UL1703, MCS, CEC, CE, RoHS



About Jumao

With concern for global warming and the vision to provide clean and renewable energy, Jumao Photonic Co. Ltd. (JMP) was established in 2001 by an outstanding management team and R&D experts in Xiamen, the most beautiful harbor city in P.R.China. As an international and professional solar module manufacturer, JMP is specialized in production, R&D and labeling of solar modules to create market value and reduce cost for customer.

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Ver. 1208

JMP-190/195/200/205/210W-P6-G

Mechanical Characteristics

Dimension	1636 827 40mm				
Weight	16.5 Kg				
Solar Cell	Polycrystalline silicon 156 × 156 mm 50 PCS(5 10)				
Front Glass	3.2 mm tempered glass				
Cell Encapsulation	EVA				
Back Cover	Composite film, white				
Frame	Anodized aluminium alloy				
Junction Box	IP 65 (3 bypass diodes)				

Electrical Data

Power Rating [Pmpp]	190 W	195 W	200 W	205 W	210 W
Maximum Current [Impp]	7.45 A	7.55 A	7.71 A	7.86 A	7.98 A
Maximum Voltage [Vmpp]	25.55 V	25.85 V	25.95 V	26.09 V	26.35 V
Short-circuit Current [Isc]	8.02 A	8.15 A	8.23 A	8.31 A	8.37 A
Open-circuit Voltage [Voc]	30.85 V	31.10 V	31.20 V	31.28 V	31.35 V
Module Efficiency	14.07%	14.43%	14.79%	15.16%	15.54%

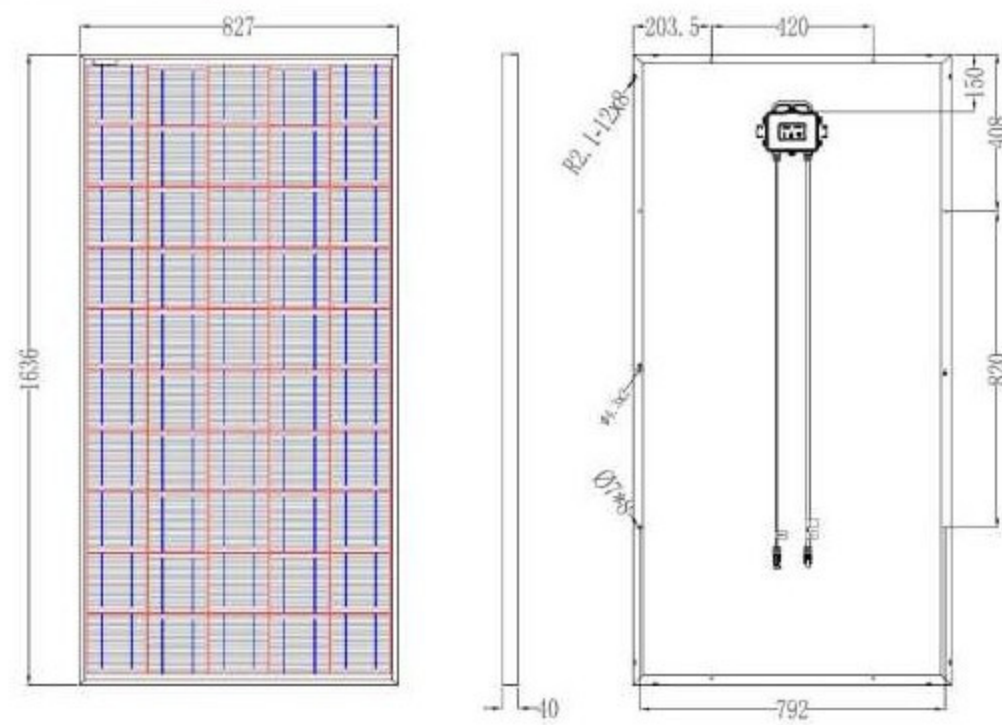
Temperature Coefficients

Voltage [Voc]	-0.34% / °C
Current [Isc]	0.05% / °C
Power [Pmax]	-0.44% / °C
Nominal Operating Cell Temperature	47 °C

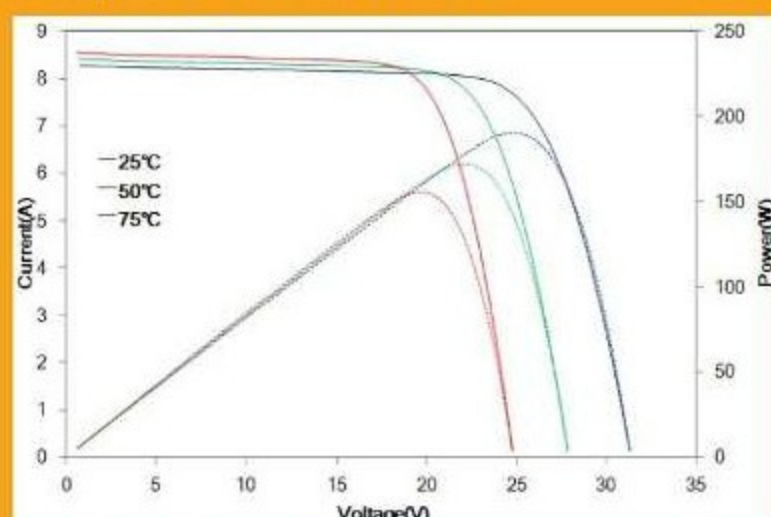
Operating Conditions

Maximum System Voltage	IEC: DC 1000 V / UL: DC 600 V
Series Fuse Rating	15 A
Operating Temperature	-40 to 85 °C
Mechanical Load	5400 Pa
Damp Heat	85%RH, 85°C
Hail Impact	25mm Ice ball at 23m/s

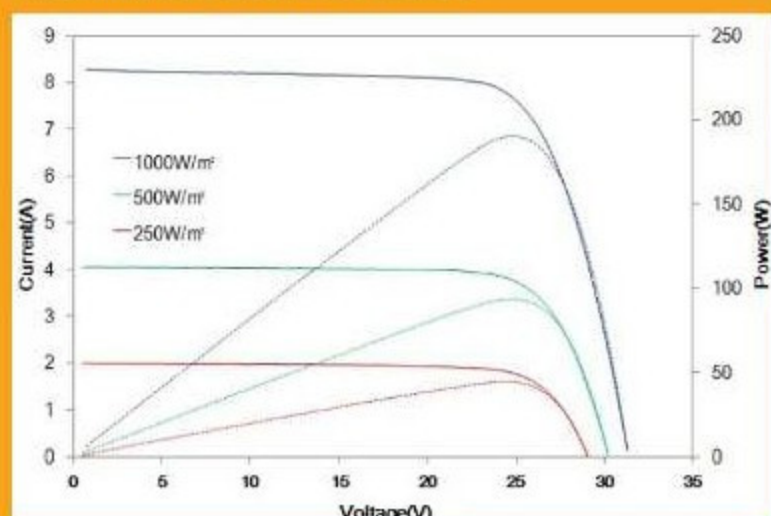
Module Diagram



Temperature Characteristics



Irradiance Characteristics



- At STC (Standard Test Conditions) Irradiance 1000W/m², 25°C cell temperature, AM 1.5 spectrum
- NOCT Nominal operating cell temperature (The data is only for reference)

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