

KINVE SOLAR MODULE

Monocrystalline

KV200-72M	200WP
KV195-72M	195WP
KV190-72M	190WP
KV185-72M	185WP
KV180-72M	180WP



Features

- Vertically integrated production including Ingot, water, cell and module
- High module efficiency, up to 16,67%
- Positive tolerance for mainstream products, 0 ~ +5W
- Tested for 5400Pa load capacity, suitable for heavy snow areas
- Anodized aluminum frame to improve corrosion resistance
- High transparent, low iron tempered glass to improve module efficiency
- Module with Anti-reflection glass for special application e.g. highways
- Encapsulated junction box, better insulation, sealing, heat dissipation
- Special module for low light or cloudy environment



Benefits

- 10 years product warranty for materials and workmanship, 25 years output warranty, 12 years >= 90%, 25years >= 80%
- Worldwide Product Liability Insurance covered by Zurich Insurance
- 25 years Product Performance Insurance covered by Zurich Insurance, NEW covered by MunichRE, NEW
- Local technical support
- Local warehousing
- 48 hour-response service
- Enhanced design for easy installation and long term reliability
- Customized production, e.g. black module, special frame, BIPV
- Punctual and safe delivery, reliable supply to keep project schedule



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Electrical Data

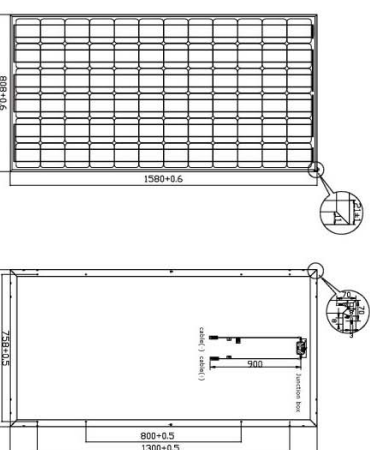
Model Type	KV200-72M	KV195-72M	KV190-72M	KV185-72M	KV180-72M
Peak Power (Pmax)	200W	195W	190W	185W	180W
Cell Efficiency	18.47%	18.01%	17.55%	17.09%	16.63%
Module Efficiency	15.67%	15.27%	14.88%	14.49%	14.10%
Maximum Power Voltage [Vmp]	36.4V	36.3V	36.2V	35.8V	35.4V
Maximum Power Current [Imp]	5.5A	5.38A	5.25A	5.17A	5.09A
Open Circuit Voltage [Voc]	45.4V	45.2V	45V	44.8V	44.6V
Short Circuit Current [Isc]	5.74A	5.63A	5.5A	5.48A	5.4A
Power Tolerance	±5W	0~+5W	0~+5W	0~+5W	0~+5W
Maximum System Voltage			1000V		
Normal Operating Cell Temperature			45°C ± 2 °C		
Series Fuse Rating [A]			10		
Number of Bypass Diodes			3		
Voltage temperature coefficients			-0.336%/°C		
Current temperature coefficients			0.042%/°C		
Power temperature coefficients			-0.47%/°C		

Mechanical Data

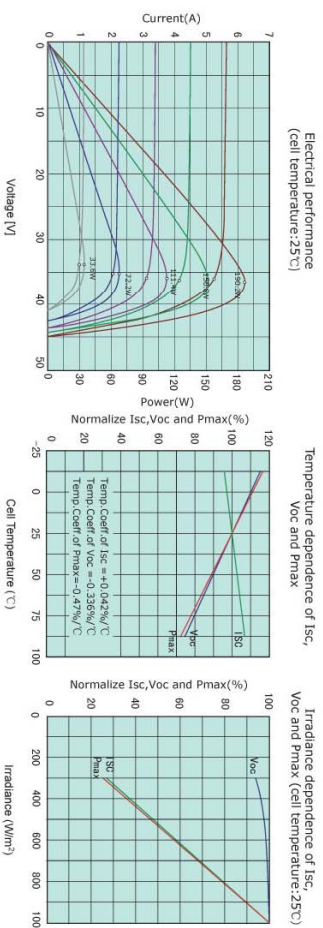
Cell Type	Mono 125mmx125mm
No. of Cells	72 (6x12)
Dimensions	1580x808x35mm (LxWxH)
Weight	15.5kg (35) / 16kg (45)

Working Conditions

Maximum surface load capacity	tested up to 5,400 Pa according to IEC 61215 (advanced test)
Hail	maximum diameter of 25 mm with impact speed of 23m/s
Temperature range	-40 °C to +85 °C



ELECTRICAL CHARACTERISTICS



The electrical data relates to standard test conditions (STC): 1,000 W/m²; AM 1.5; 25 °C. Performance deviation of Pmp: -/+ 3%, performance deviation of Voc(V), Isc(A), Vmp(V) and Imp [A]: -/+ 10%.

* The parameters are for reference only, and are subject to change without notice or obligation. Please contact sales@kinve.com for quotation, and support@kinve.com for technical support.

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