



KINVE SOLAR MODULE

Monocrystalline

KV090-36M	090Wp
KV085-36M	085Wp
KV080-36M	080Wp
KV075-36M	075Wp
KV085-72M(1/2)	085Wp
KV080-72M(1/2)	080Wp
KV075-72M(1/2)	075Wp

Features

- Vertically integrated production including ingot, wafer, cell and module
- High module efficiency, up to 13.89%
- 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

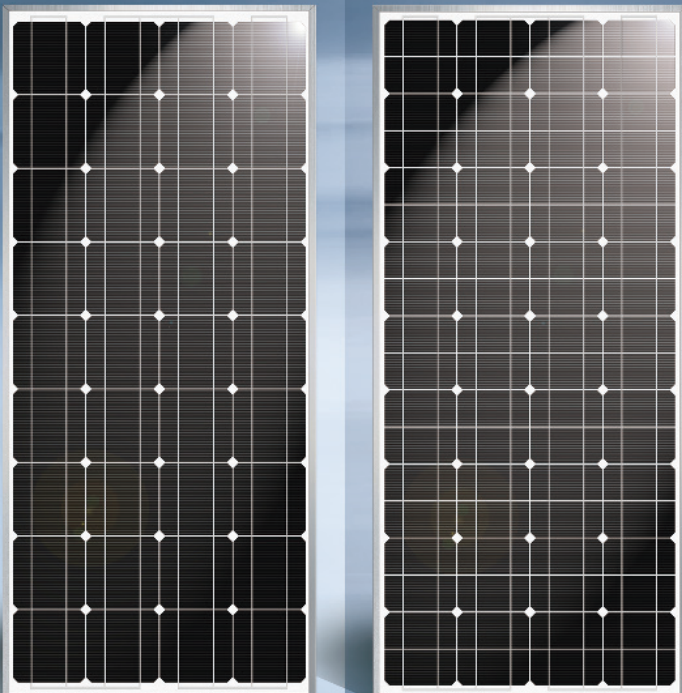
NEW

NEW
PRODUCT
COMING
SOON

Benefits

- 12 years product warranty for materials and workmanship 25 years output warranty, 12 years $\geq 90\%$, 25 years $\geq 80\%$
- Worldwide Product Liability Insurance covered by Zurich Insurance
- 25 years Product Performance Insurance covered by MunichRE
- 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

NEW

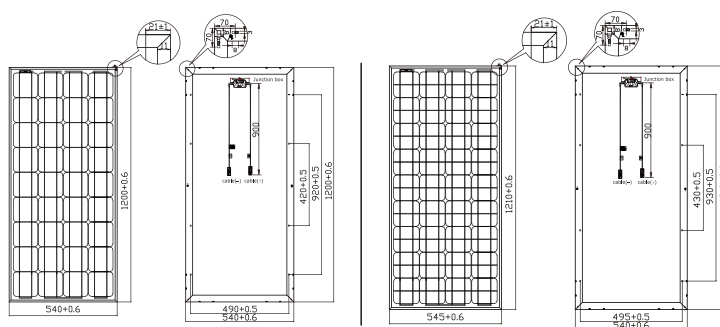


Electrical Data

Model Type	KV085-36M				KV085-72M(1/2)		
	KV090-36M	KV085-36M	KV080-36M	KV075-36M	KV085-72M(1/2)	KV080-72M(1/2)	KV075-72M(1/2)
Peak Power [Pmax]	90W	85W	80W	75W	85W	80W	75W
Cell Efficiency	17.33%	16.37%	15.41%	14.44%	16.84%	15.21%	14.26%
Module Efficiency	13.89%	13.12%	12.35%	11.57%	13.12%	12.35%	11.57%
Maximum Power Voltage [Vmp]	18.1V	17.9V	17.7V	17.5V	35.2V	35V	34.6V
Maximum Power Current [Imp]	4.98A	4.75A	4.52A	4.29A	2.42A	2.29A	2.17A
Open Circuit Voltage [Voc]	22.6V	22.4V	22.2V	22V	44.4V	44V	43.6V
Short Circuit Current [Isc]	5.41A	5.25A	5.1A	4.91A	2.65A	2.58A	2.53A
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Maximum System Voltage	1000V						
Normal Operating Cell Temperature	45°C ± 2°C				45°C ± 2°C		
Series Fuse Rating [A]	10				5		
Number of Bypass Diodes	2				2		
Voltage temperature coefficients	-0.336 %/°C						
Current temperature coefficients	0.042 %/°C						
Power temperature coefficients	-0.47 %/°C						

Mechanical Data

Cell Type	Mono 125mm×125mm	Mono 125mm×62.5mm
No. of Cells	36 (4×9)	72 (4×18)
Dimensions	1200×540×35mm (L×W×H)	1210×545×35mm (L×W×H)
Weight	8	8

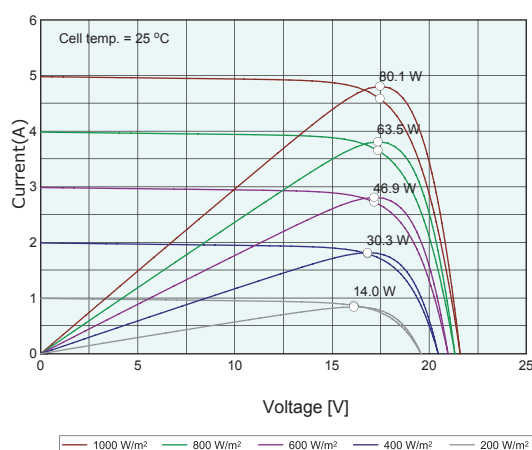


Working Conditions

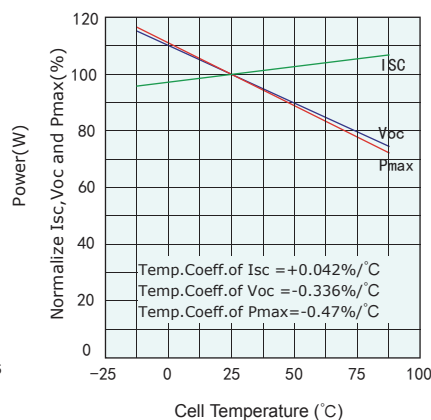
Maximum surface load capacity	tested up to 5,400 Pa according to IEC 61215 (advanced test)
Hail	maximum diameter of 25 mm with impact speed of 23 m/s
Temperature range	- 40 °C to + 85 °C

ELECTRICAL CHARACTERISTICS

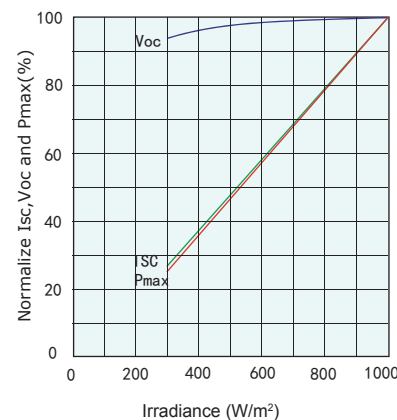
Electrical performance
(cell temperature: 25°C)



Temperature dependence of Isc, Voc and Pmax



Irradiance dependence of Isc, Voc and Pmax (cell temperature: 25°C)



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.