



# KINVE SOLAR MODULE

## Monocrystalline



KV60-36M 60Wp

KV55-36M 55Wp


KV50-36M 50Wp



## Features

- Vertically integrated production including ingot, wafer, cell and module
- High module efficiency, up to 13.62 %
- 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

- 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



## Electrical Data

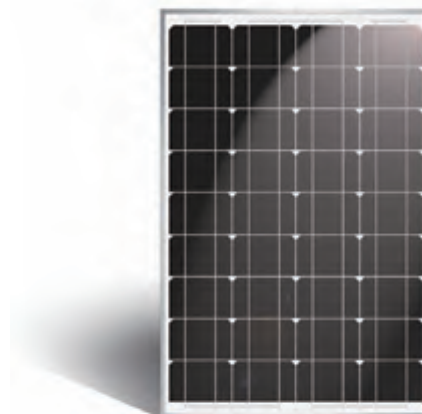
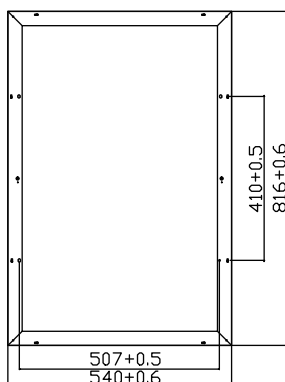
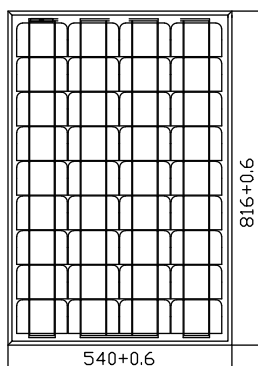
Model Type	KV60-36M	KV55-36M	KV50-36M
Peak Power [Pmax]	60W	55W	50W
Cell Efficiency	17.12%	15.69%	14.24%
Module Efficiency	13.62%	12.48%	11.35%
Maximum Power Voltage [Vmp]	17.8V	17.6V	17.4V
Maximum Power Current [Imp]	3.37A	3.13A	2.88A
Open Circuit Voltage [Voc]	22.3V	22.1V	21.9V
Short Circuit Current [Isc]	3.58A	3.39A	3.23A
Power Tolerance	0~+3%	0~+3%	0~+3%
Maximum System Voltage	700V		
Normal Operating Cell Temperature	45 C ±2 C		
Series Fuse Rating [A]	7		
Number of Bypass Diodes	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×83.5mm
No. of Cells	36(4×9)
Dimensions	816×540×35mm(L×W×H)
Weight	6kg

## 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



The electrical data relates to standard test conditions [STC]: 1,000 W/m<sup>2</sup>; AM 1.5; 25 °C.  
Performance deviation of P<sub>mpp</sub>: -/+ 3%, performance deviation of Voc[V],Isc[A],V<sub>mpp</sub> [V] and I<sub>mpp</sub> [A]: -/+ 10%.

\* The parameters are for reference only, and are subject to change without notice or obligation.  
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