

## Kamtexsolar™ Mono-Crystalline & Poly-Crystalline Series

KMX-4W to 200W

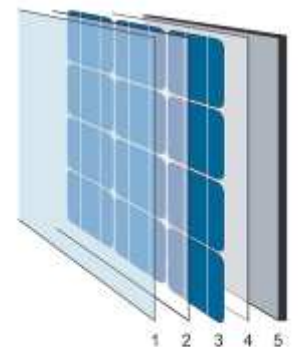


### FEATURES

- ✓ High efficiency silicon solar cells
- ✓ Enhanced design for protection against harsh weather
- ✓ Durable and sturdy anodised aluminium frame for reliability
- ✓ Weatherproof junction box
- ✓ Manufactured in ISO 9001 certified factory
- ✓ Pre-drilled mounting holes pre-drilled for easy installation
- ✓ Wide power selection starting from 4W
- ✓ Suitable for off-grid stand-alone systems

### APPLICATIONS

- ✓ Microwave / radio repeater stations
- ✓ Electrification of villages in remote areas
- ✓ Medical facilities in rural areas
- ✓ Power source for summer vacation homes
- ✓ Cathodic protection systems
- ✓ Sailboat charging systems
- ✓ Emergency communication systems
- ✓ Water quality and environmental data monitoring systems
- ✓ Navigation lighthouses, and ocean buoys
- ✓ Pumping systems for irrigation, rural water supplies
- ✓ Pumping for livestock watering
- ✓ Aviation obstruction lights
- ✓ Desalination systems
- ✓ Recreational vehicles
- ✓ Railroad signals & more...



- 1 Tempered glass
- 2 EVA
- 3 Cells
- 4 EVA
- 5 Triple-layer back sheet

TUV CE IEC ISO9001

## DETAILS

MODEL	KMX-4W	KMX-10W	KMX-20W	KMX-32W	KMX-40W
<b>ELECTRICAL</b>					
Max. Power Output (Pmax)	4W	10 W	20W	32W	40W
Max. Power voltage (Vmp)	17.6V	17.8 V	17.8 V	17.6V	17.7 V
Max. Power Current (Imp)	0.23A	0.56 A	1.12 A	1.82A	2.26 A
Open circuit voltage (Voc)	21.6V	22.3 V	22.3 V	21.6 V	21.6 A
Short circuit current (Isc)	0.26A	0.61 A	1.21 A	1.96A	2.74 A
Tolerance	+/- 5%	+/- 3%	+/- 3%	+/- 3%	+/- 5%
Temperature range	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C
<b>MECHANICAL</b>					
Cell Type	Poly / Mono	Mono	Mono	Mono	Mono
No. of Cells	36 cells in series	36 cells in series	36 cells in series	36 cells in series	36 cells in series
Connectors	None	None	None	Bare lead wires	Bare lead wires
Cable length given	NA	NA	NA	90cm	90cm
Dimensions (LxWxD)	230 x 182 x 15mm	415 x 185 x 18mm	452 x 423 x 25mm or 580 x 280 x 25mm	522 x 497 x 18mm	611 x 552 x 30mm
Gross Weight	0.58 kg	1.3 kg	2.1 kg	2.7 kg	4.5 kg

MODEL	KMX-50W	KMX-60W	KMX-80W	KMX-90W	KMX-100W
<b>ELECTRICAL</b>					
Max. Power Output (Pmax)	50W	60W	80W	90W	100W
Max. Power voltage (Vmp)	18.9 V	18.0 V	17.6 V	17.9 V	18.0 V
Max. Power Current (Imp)	2.64 A	3.33 A	4.55 A	5.02 A	5.75 A
Open circuit voltage (Voc)	22.1 V	22.6 V	21.6 V	22.4 V	21.6 V
Short circuit current (Isc)	2.77 A	3.54 A	4.91 A	5.3 A	6.33 A
Tolerance	+/- 5%	+/- 5%	+/- 5%	+/- 3%	+/- 3%
Temperature range	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C
<b>MECHANICAL</b>					
Cell Type	Mono	Mono	Mono	Mono	Mono
No. of Cells	36 cells in series	36 cells in series	36 cells in series	36 cells in series	36 cells in series
Connectors	MC4 compatible	Bare lead wires	MC4 compatible	MC4 compatible	MC4 compatible
Cable length given	90cm	90cm	90cm	90cm	90cm
Dimensions (LxWxD)	640 x 550 x 30mm	792 x500 x30 mm	1080 x 500 x 30mm	1220*540*35mm	1220*540*35mm
Gross Weight	4.7 kg	5.0 kg	6.4 kg	8.1kg	7.7kg

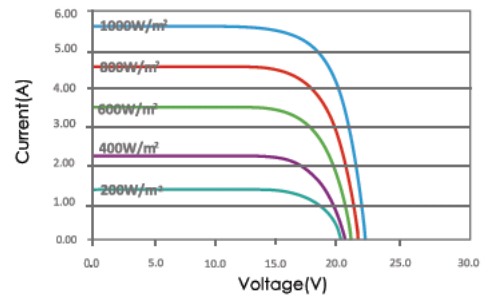
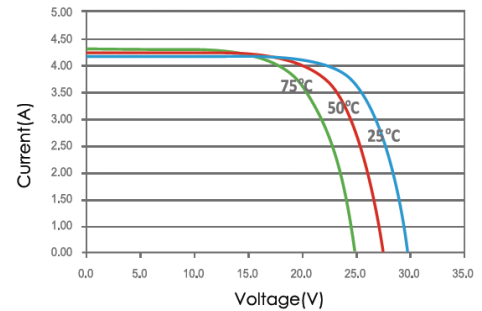
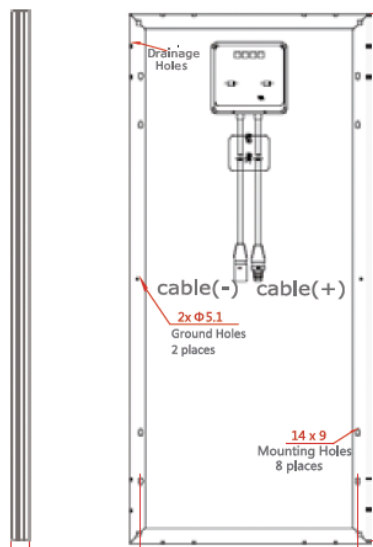
Note: Electrical specifications are based on Standard Test Conditions (STC) : solar irradiance of 1000W/m<sup>2</sup>, 1.5 air mass and cell temperature of 25°C.

# SOLAR MODULES



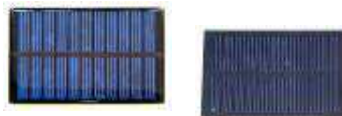
MODEL	KMX-120W	KMX- 140W	KMX-160W	KMX-180W	KMX-200W
<b>ELECTRICAL</b>					
Max. Power Output (Pmax)	120W	140W	160W	180W	200W
Max. Power voltage (Vmp)	18.2V	17.68V	18.37 V	36 V	36.75V
Max. Power Current (Imp)	6.62A	8.15A	8.88 A	5 A	5.45 A
Open circuit voltage (Voc)	22.6V	21.8V	22.7 V	44.8 V	44.8 V
Short circuit current (Isc)	7.06A	8.7A	9.46 A	5.3 A	5.78 A
Tolerance	+/- 3%	+/- 3%	+/- 3%	+/- 3%	+/- 3%
Temperature range	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C	-40 ~ 85°C
<b>MECHANICAL</b>					
Cell Type	Mono	Mono	Mono	Mono	Mono
No. of Cells	36 cells in series	36 cells in series	36 cells in series	72 cells in series	72 cells in series
Connectors	MC4 compatible	MC4 compatible	MC4 compatible	MC4 compatible	MC4 compatible
Cable length given	90cm	90cm	90cm	90cm	90cm
Dimensions (LxWxD)	1210*667*35mm	1470 * 670 * 35mm	1470 * 670 * 35mm	1580 * 808 * 40mm	1580 * 808 * 40mm
Gross Weight	8.6 kg	11.2 kg	11.2kg	15.5kg	15.5kg

Note: Electrical specifications are based on Standard Test Conditions (STC) : solar irradiance of 1000W/m<sup>2</sup>, 1.5 air mass and cell temperature of 25°C.



Other custom design and small sizes available on request.

Contact us for your specific requirements.



5V 150mA, 2V, 11V etc

Ver.08/2016

\*Specifications subject to change without notice.

**Contact Us:**

**Kamtex Industries Pte Ltd** (since 1982)  
 37, Tannery Lane, #06-06 Tannery House, Singapore 347790  
 Tel: +65 67445307, 67414939 Fax: +65 67445306  
 Email: kamtex@kamtexindustries.com  
[www.kamtexsolar.com](http://www.kamtexsolar.com)

Also Available From:

