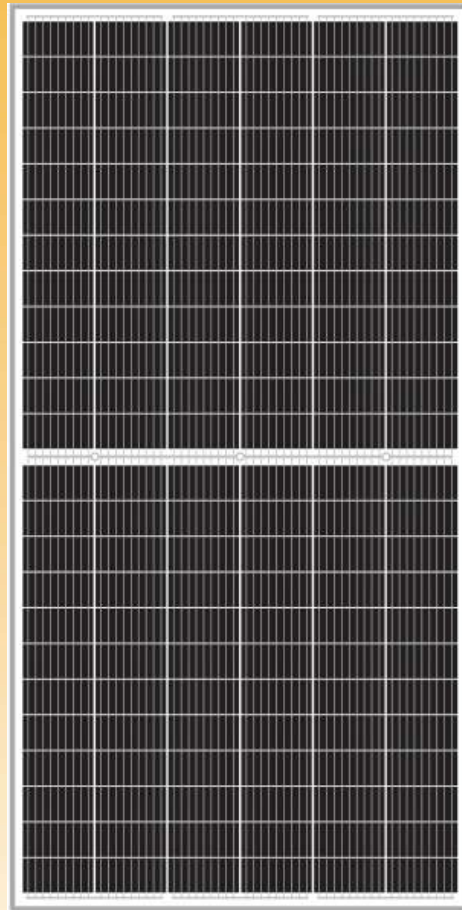




# KT-M6/144GH KT-M6/144G

Bifacial Double Glass Module  
425-445W



**445W**

Maximum Power Output

**20.0%**

Maximum Module Efficiency

**0~+5W**

Power Output Guarantee

Cell Type



MBB(166.00mm)



• Ideal choice for large scale ground installation



• Selected encapsulating material and stringent production process control ensure the product is highly PID resistant and snail trails free



• Special cutting and soldering technology leads to low hotspot risk



• Sand blowing test, salt mist test and ammonia test passed to endure harsh environments



• Optimized system performance due to module level current sorting

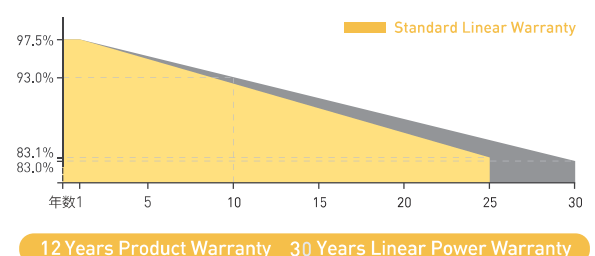


• Highly transparent self-cleaning glass brings additional yield and easy maintenance

## Delivers Reliable Performance Over Time

- manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO9001:2015, ISO14001: 2015 and OHSAS: 18001 2007
- Tested for harsh environments (salt mist, ammonia corrosion and sand blowing test: IEC 61701, IEC 62716, DIN EN 60068-2- 68)
- Long term reliability tests
- 2x100% EL inspection ensuring defect-free modules

## Linear Performance Warranty



\* Please refer to standard warranty for details

## Product certification



# KT-M6/144GH

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## Bifacial Double Glass Module

425-445W

Maximum Power	Pmax(W)	425	430	435	440	445
Maximum Power Voltage	Vmp(V)	40.37	40.72	41.08	41.40	41.75
Maximum Power Current	Imp(A)	10.53	10.56	10.59	10.63	10.66
Open Circuit Voltage	Voc(V)	48.40	48.69	48.99	49.25	49.55
Short Circuit Current	Isc(A)	11.04	11.07	11.10	11.14	11.17
Module Efficiency	(%)	19.1	19.3	19.5	19.7	19.9
Power Output Tolerance	(W)			0~+5		

\* Irradiance 1000W/m<sup>2</sup>, Module Temperature 25°C, Air Mass 1.5

### Electrical Specification (NOCT\*)

Maximum Power	Pmax (W)	314.95	318.50	322.28	326.08	329.78
Maximum Power Voltage	Vmp (V)	37.30	37.50	37.70	37.90	38.10
Maximum Power Current	Imp (A)	8.44	8.50	8.56	8.61	8.66
Open Circuit Voltage	Voc(V)	45.70	45.90	46.10	46.30	46.50
Short Circuit Current	Isc (A)	8.96	9.02	9.08	9.13	9.20

\* Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

### Mechanical Data

Number of Cells	144 Cells (6x24)
Dimensions of Module L*W*H (mm)	2130x1048x35mm [83.85x41.25x1.38 inches]
Weight (kg)	28.5kg
<b>Front Side Glass</b>	High transparency solar glass 2.0mm [0.08 inches]
<b>Back Side Glass</b>	Float solar glass 2.0mm [0.08 inches]
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cable	4.0mm <sup>2</sup> [0.006 inches <sup>2</sup> ], 300mm [11.8 inches]
Number of diodes	3
Wind/ Snow Load	2400Pa/ 5400Pa*
Connector	MC Compatible

\* For more details please check the installation manual

### Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	43±2°C
Temperature Coefficient of Isc	+0.06%/°C
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of P <sub>MAX</sub>	-0.38%/°C

### Maximum Ratings

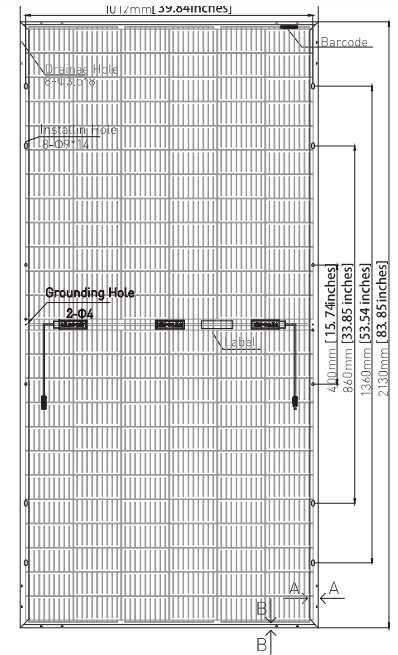
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (-H)
Max Series Fuse Rating	20A

### Packaging Configuration

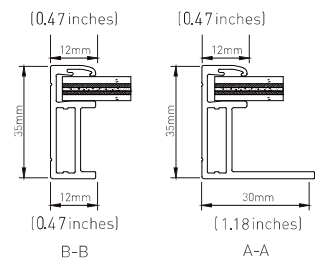
Module per box	30 pieces
Module per 40' container	660 pieces

### Optional

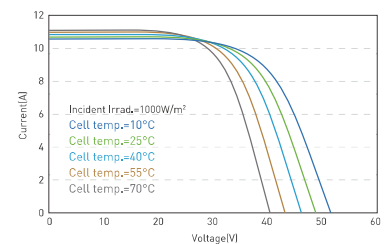
Connector	<input type="checkbox"/> MC Original
Cable	<input type="checkbox"/> 1800mm (70.8 inches)
Frame	<input type="checkbox"/> Frameless
Frame	<input type="checkbox"/> Black



Back View



I-V Curve at Different Temperature (440W)



I-V/P-V Curve at Different Irradiation (440W)

