

MUL-6M

435W/440W/445W/450W/

HALF-CELL B FACIAL MBB MONO
PERC DOUBLE GLASS MODULE



COMPREHENSIVE CERTIFICATES

IEC61215 / IEC61730 / IEC61701 / IEC62716 / IEC62804
ISO 9001: 2015 Quality management systems;
ISO 14001: 2015 Environmental management systems;
OHSAS 18001: 2007 Occupational health and safety management systems;

KEY SALIENT FEATURES



High output power



Better power generation under shadows



Strong anti-hot spot ability



Enhanced safety



Easy to install



High tolerance for harsh environment
and extreme weather conditions

Beijing Multifit

Founded in 2009 (280768 Stock Exchange), the company focused on providing world-class, small-scale photovoltaic power plants for civilian solutions and an innovative research and development of renewable energy electrical products.

We had cultivated a group of ideals, experience, technical sales and R & D team. Our products are now exported to France, UK, Italy, Hungary..... (80+ Countries Export)

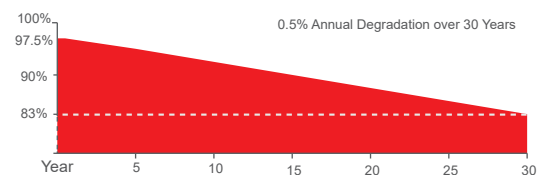
Vmaxpower & Multifit : Domestic & International Trademark.

QUALIFICATIONS AND CERTIFICATES



LINEAR PERFORMANCE WARRANTY

- 12 Years Manufacturing Warranty
- 12 Years 92% Power Output
- 30 Years 83% Power Output



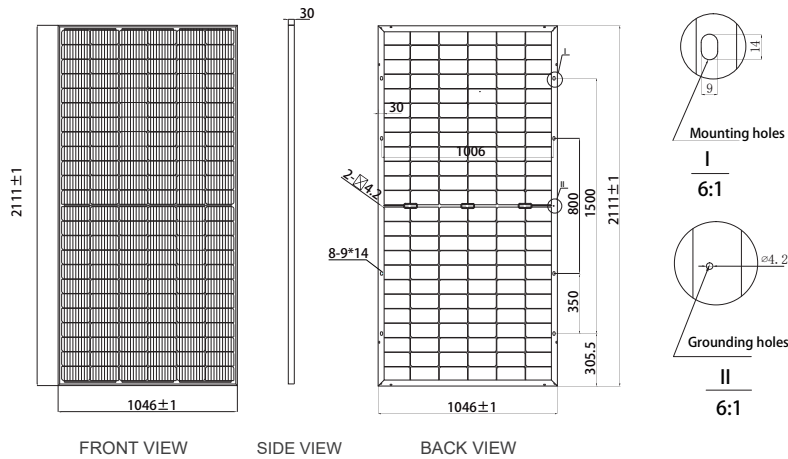
Beijing Multifit Electrical Technology Co., Ltd

<http://www.multifitele.com>

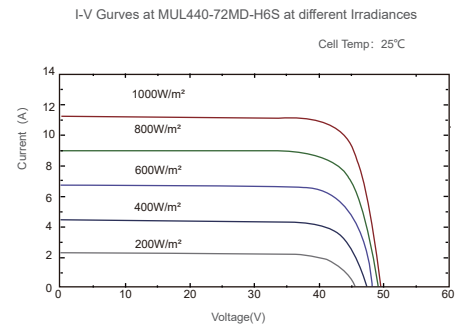


Mono Crystalline

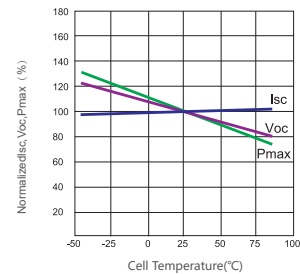
MECHANICAL DRAWINGS



I-V CURVES



Power voltage current curve at different temperature



MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 166x83mm
Number Of Cells	144 (6x24)
Dimensions(AxBxC)	2111x1046x30mm
Weights	29.0kg
Glass	2.0/2.0mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm²,+300mm,-300mm Customized Length

PACKING CONFIGURATION

Container	40' HQ
Pieces Per Pallet	35
Pallets Per Container	20
Pieces Per Container	700

ELECTRICAL CHARACTERISTICS

Module Type	MUL-6M-435W-144		MUL-6M-440W-144		MUL-6M-445W-144		MUL-6M-450W-144	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power At STC(Pmax)	435W	327.0W	440W	330.7W	445W	334.5W	450W	338.3W
Short Circuit Current(Isc)	11.14A	9.00A	11.21A	9.06A	11.29A	9.12A	11.36A	9.18A
Open Circuit Voltage(Voc)	49.2V	45.9V	49.4V	46.1V	49.7V	46.3V	50.0V	46.6V
Maximum Power Current(Imp)	10.66A	8.53A	10.73A	8.59A	10.80A	8.65A	10.87A	8.70A
Maximum Power Voltage(Vmpp)	40.8V	38.3V	41.0V	38.5V	41.2V	38.7V	41.4V	38.9V
Module Efficiency	19.70%		19.93%		20.15%		20.38%	
Power Tolerance	0~+5W		0~+5W		0~+5W		0~+5W	

ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN

(Reference to 440W Front)

Backside Power Gain	5%	10%	15%	20%	25%
Maximum Power At STC(Pmax)	462	484	506	528	550
Short Circuit Current(Isc)	11.78	12.34	12.90	13.42	13.98
Open Circuit Voltage(Voc)	49.4	49.4	49.4	49.5	49.5
Maximum Power Current(Imp)	11.27	11.80	12.34	12.85	13.38
Maximum Power Voltage(Vmpp)	41.0	41.0	41.0	41.1	41.1

STC: 1000W/m2 irradiance, 25°C cell temperature, AM1.5. NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, wind speed 1m/s.



Beijing Multifit Electrical Technology Co.,Ltd

<http://www.multifitele.com>

