



DMEGC

Quality. Performance. Value.

PERC MONO CRYSTALLINE BIFACIAL DOUBLE GLASS MODULE

DM445M6-B72HSW

430 / 435 / 440 / 445



Technology

High module conversion efficiency through superior manufacturing technology



Half-Cut Design

Avoid the hot spot effect
Reduce power degradation



PID Free

Excellent PID resistance according to IEC TS 62804-1



Performance

High performance under low light conditions (Cloudy days, mornings and evenings)



Quality

Manufactured according to International Quality and Environmental Management Systems (ISO9001, ISO14001)



Value

Our vertically integrated business model allows for competitive pricing and great value

www.dmegcsolar.com

Superior Manufacturing-Quality Assurance



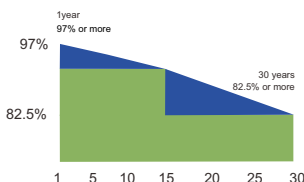
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

Power Output



- Our IP68 rated junction box improves module performance and stability
- High-performance connectors provide low resistance interconnection to ensure the full utilization of module output power

Warranty



- 15 Years Manufacturers Warranty
- Linear Power Output Warranty, no less than 82.5% at year 30th

Visible Quality



- Durable, high-quality
- Rigid construction: 5400Pa & 2400Pa rated assembly



A Member of the Hengdian Group



Electrical Specifications

* STC irradiance of 1000W/m² spectrum AM 1.5 and cell temperature of 25°C

Module Type	DM430M6-B72HSW	DM435M6-B72HSW	DM440M6-B72HSW	DM445M6-B72HSW
Output Tolerance	0/+3%			
Bifaciality Factor	70%±5%			
Maximum Rating Power(Pm)	430W	435W	440W	445W
Module Efficiency	19.18%	19.40%	19.63%	19.85%
Open Circuit Voltage(Voc)	49.65V	49.81V	49.97V	50.12V
Maximum Power Voltage(Vmp)	40.30V	40.43V	40.60V	40.77V
Short Circuit Current(Isc)	11.09A	11.17A	11.26A	11.35A
Maximum Power Current(Imp)	10.67A	10.76A	10.84A	10.92A

Bifacial Gain

10%	Pm	473W	478.5W	484W	489.5W
20%	Pm	516W	522W	528W	534W
30%	Pm	559W	565.5W	572W	578.5W

Mechanical Data

Cell Type	DMBD9B166-223
Cell Arrangement	72(6x12)
Module Structure	Glass/ POE / Glass
Glass Thickness	2.0mm/2.0mm(front/back)
Application Class	Class A at IEC 61730
Junction Box Rating	IP68
Cables	1000mm/4mm ²
Connector Type	MC4/MC4 Compatible
Fire Rating Class	Class A

Packaging

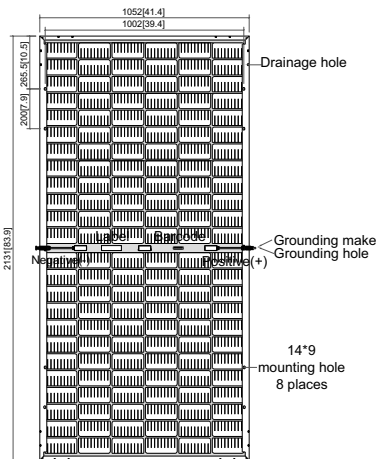
Module Dimensions	2131x1052x35mm
Weight	28.7kg
Pallet Dimensions	2180x1130x1190mm
Container	40' HQ
Pieces per Pallet	31
Pallets per Container	20
Pieces per Container	620
Gross Weight per Pallet	940kg
Gross Weight per Container	18800kg

Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	25A
Number of Diodes	3

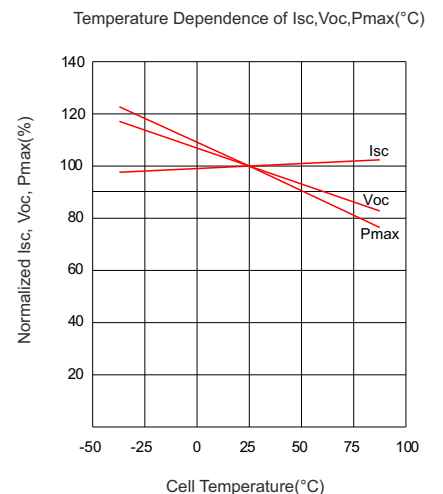
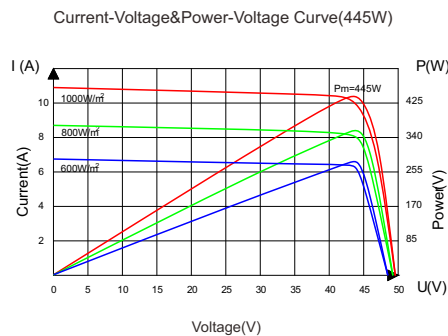
Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42°C±3°C
Temperature Coefficient of Isc	+0.038%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.365%/°C



(Back side)

Note:mm[inch]



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