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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Hengdian Group DMEGC Magnetics Co., Ltd.**

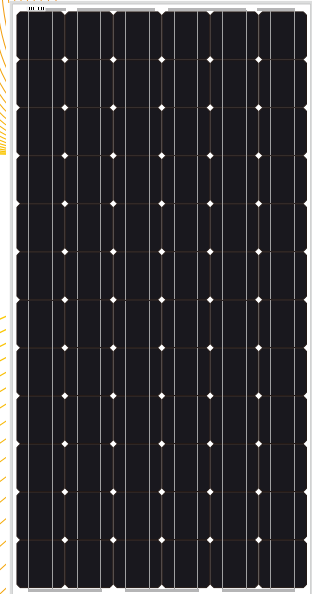
**DM195-220-M125-72**

**DM205-M125-72**

Also available on the web at  
[EnergyPal.com/hengdian-group-dmegc-magnetics-co-ltd-solar-panels/dm205-m125-](http://EnergyPal.com/hengdian-group-dmegc-magnetics-co-ltd-solar-panels/dm205-m125-72)



Quality. Performance. Value.



## MONO CRYSTALLINE MODULE

DM220-M125-72

195-220W

Wattages:

195 / 200

205 / 210

215 / 220



### Technology

High module conversion efficiency through superior manufacturing technology



### Voltage resistance

Module can withstand the 1500V system voltage



### 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](http://www.dmegcsolar.com)

## Superior Manufacturing-Quality Assurance



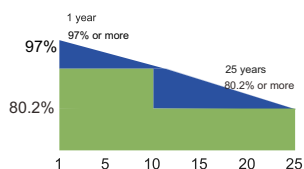
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## 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



- 10 Years Manufacturers Warranty
- Linear Power Output Warranty, no less than 80.2% at year 25th

## Visible Quality



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



## Electrical Specifications

\* STC irradiance of 1000W/m<sup>2</sup> spectrum AM 1.5 and cell temperature of 25°C

Module Type	Pm(W)	Tolerance	Imp(A)	Vmp(V)	Isc(A)	Voc (V)	Module Efficiency
DM195-M125-72	195	0/+3%	5.33	36.60	5.75	45.40	15.27%
DM200-M125-72	200	0/+3%	5.44	36.80	5.85	45.60	15.67%
DM205-M125-72	205	0/+3%	5.53	37.10	5.96	45.90	16.06%
DM210-M125-72	210	0/+3%	5.64	37.30	6.06	46.00	16.45%
DM215-M125-72	215	0/+3%	5.72	37.60	6.16	46.20	16.84%
DM220-M125-72	220	0/+3%	5.81	37.90	6.26	48.40	17.23%

## Mechanical Data

Cell Type	DMTD2B125-165
Cell Arrangement	72(6x12)
Module Structure	Glass/ EVA / Backsheet(white)
Glass Thickness	3.2mm
Application Class	Class A at IEC 61730
Junction Box Rating	IP67/IP68
Cables	1000mm/4mm <sup>2</sup>
Connector Type	MC4 / MC4 Compatible
Fire Rating Class	Class C

## Maximum Ratings

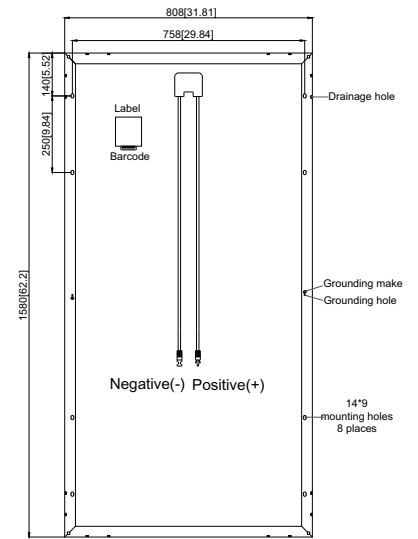
Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow 5400Pa / Wind 2400Pa
Maximum System Voltage	1000V/1500V DC(IEC)
Maximum Series Fuse Rating	20A
Number of Diodes	3

## Packaging

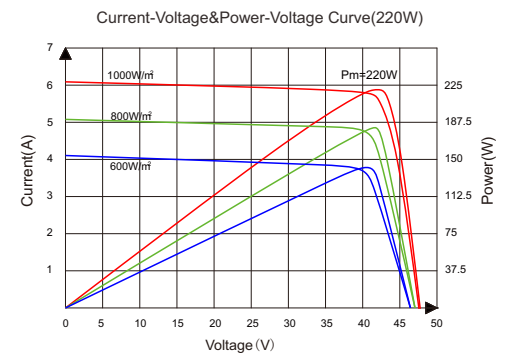
Module Dimensions	1580x808x35mm
Weight	14.5 kg
Pallet Dimensions	1630x1130x945mm
Container	40' HQ
Pieces per Pallet	31
Pallets per Container	28
Pieces per Container	868
Gross Weight per Pallet	490kg
Gross Weight per Container	13720kg

## Temperature Characteristics

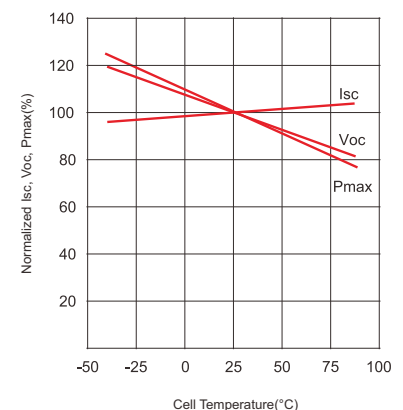
Nominal Module Operating Temperature (NMOT)	42°C±3°C
Temperature Coefficient of Isc	+0.038%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.365%/°C



(Back side)  
Note:mm[inch]



Temperature Dependence of Isc, Voc, Pmax



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