

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

**Call: 1-800-990-3725**

**Email: [contact@energypal.com](mailto:contact@energypal.com)**

# **EnergyPal**

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

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

**DMG380-395-B6A-144HST**

**DMG395B6A-144HST**

Also available on the web at  
[EnergyPal.com/hengdian-group-dmegc-magnetics-co-ltd-solar-panels/dmg395b6a-144hst](http://EnergyPal.com/hengdian-group-dmegc-magnetics-co-ltd-solar-panels/dmg395b6a-144hst)

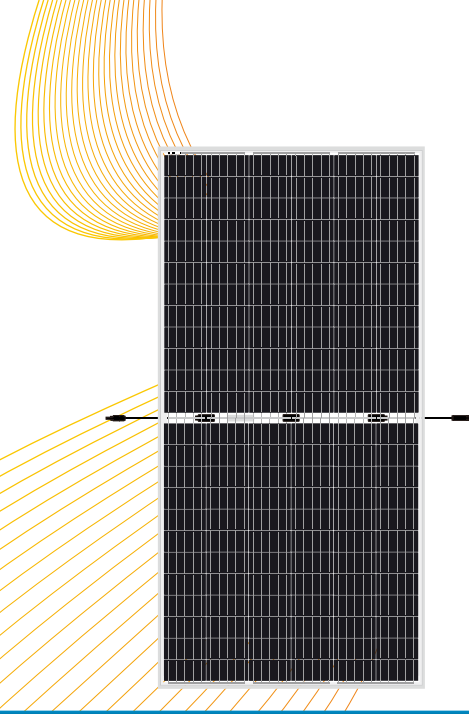


**DMEGC** Quality. Performance. Value.

## PERC MONO CRYSTALLINE BIFACIAL DOUBLE GLASS MODULE

DMG395B6A-144HST

380 / 385 / 390 / 395



### Technology

High module conversion efficiency through superior manufacturing technology



### Voltage resistance

Module can withstand the 1500V system voltage



### Power-Positive Tolerance

Guaranteed power output (0/+3%)



### 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



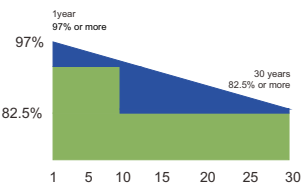
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## 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



- 12 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



# Electrical Specifications

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

Module Type	DMG380B6A-144HST	DMG385B6A-144HST	DMG390B6A-144HST	DMG395B6A-144HST
Output Tolerance	0/+3%			
Bifaciality Factor	70%±5%			
Maximum Rating Power(Pm)	380W	385W	390W	395W
Module Efficiency	18.63%	18.87%	19.12%	19.36%
Open Circuit Voltage(Voc)	49.14V	49.31V	49.48V	49.65V
Maximum Power Voltage(Vmp)	39.88V	40.07V	40.26V	40.42V
Short Circuit Current(Isc)	9.95A	10.03A	10.11A	10.19A
Maximum Power Current(Imp)	9.54A	9.62A	9.70A	9.78A

## Bifacial Gain

Gain	Parameter	DMG380B6A-144HST	DMG385B6A-144HST	DMG390B6A-144HST	DMG395B6A-144HST
10%	Pm	418W	423.5W	429W	434.5W
20%	Pm	456W	462W	468W	474W
30%	Pm	494W	500.5W	507W	513.5W

## Mechanical Data

Cell Type	DMBD5B159-223
Cell Arrangement	144(6x24)
Module Structure	Glass/ POE / Glass
Glass Thickness	2.0mm/2.0mm(front/back)
Application Class	Class A at IEC 61730
Junction Box Rating	IP 68
Cables	1000mm/4mm <sup>2</sup>
Connector Type	MC4 / MC4 Compatible
Fire Rating Class	Class A

## Packaging

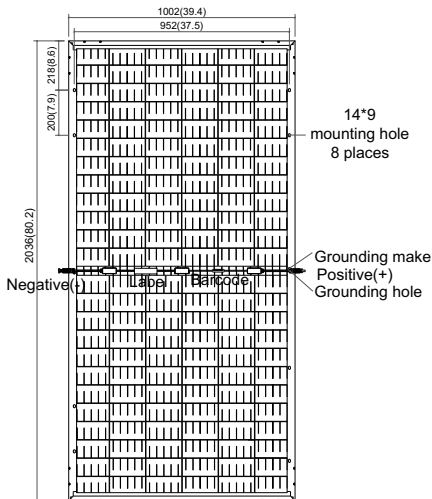
Module Dimensions	2036x1002x35mm
Weight	27.1kg
Pallet Dimensions	2085x1130x1140mm
Container	40' HQ
Pieces per Pallet	31
Pallets per Container	22
Pieces per Container	682
Gross Weight per Pallet	885kg
Gross Weight per Container	19470kg

## Maximum Ratings

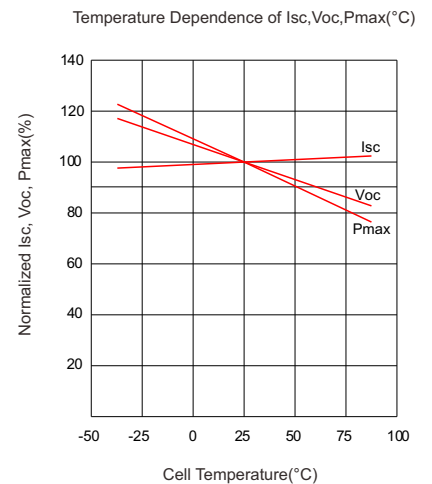
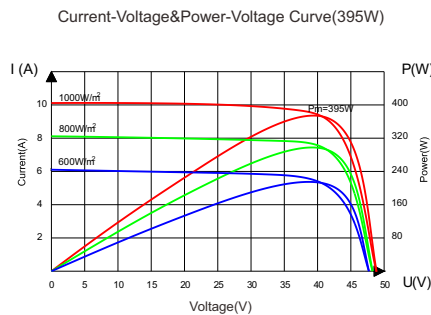
Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	25A
Number of Diodes	3

## Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	45°C±2°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]



Hengdian Group DMEGC Magnetics Co., Ltd.  
Hengdian Industrial Zone, Dongyang City  
Zhejiang Province, China 322118

Tel: 0086-579-8658-8825 Fax: 0086-579-8655-4845  
Email: solar@dmegc.com.cn  
www.chinadmegc.com www.dmegcsolar.com