

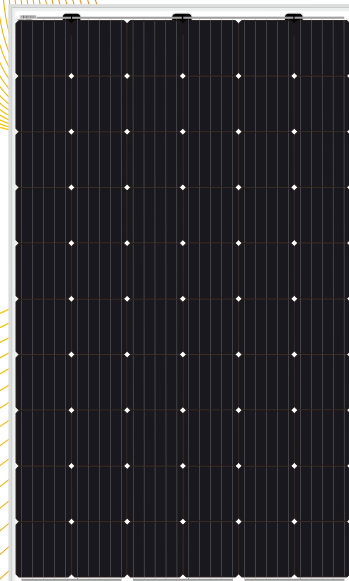


**DMEGC** Quality. Performance. Value.

## PERC MONO CRYSTALLINE DOUBLE GLASS MODULE

DMG310M6-60ST

295 / 300 / 305 / 310



### 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



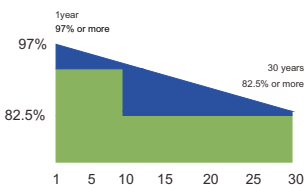
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## 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



- 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	Pm(W)	Tolerance	Imp(A)	Vmp(V)	Isc(A)	Voc (V)	Module Efficiency
DMG295M6-60ST	295	0/+3%	8.94	33.04	9.34	40.74	17.93%
DMG300M6-60ST	300	0/+3%	9.05	33.19	9.44	40.90	18.23%
DMG305M6-60ST	305	0/+3%	9.15	33.38	9.54	41.06	18.53%
DMG310M6-60ST	310	0/+3%	9.25	33.57	9.64	41.23	18.84%

## Mechanical Data

Cell Type	DMPD5B157-210
Cell Arrangement	60(6x10)
Module Structure	Glass/EVA or POE/Glass
Glass Thickness	2.0mm/2.0mm(front/back)
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 A

## Maximum Ratings

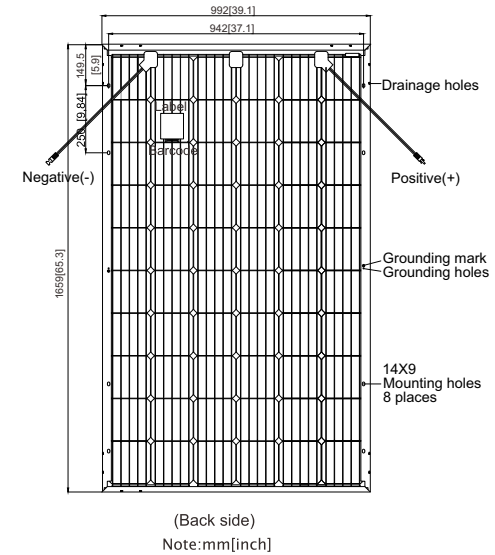
Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa
Maximum System Voltage	1000V/1500V DC(IEC)
Maximum Series Fuse Rating	20A
Number of Diodes	3

## Packaging

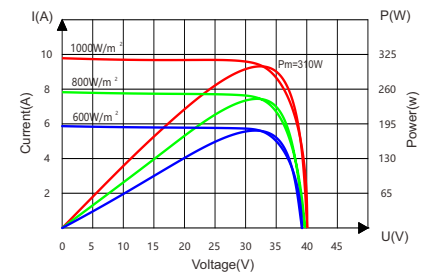
Module Dimensions	1659x992x35mm
Weight	20.6kg
Pallet Dimensions	1710x1130x1130mm
Container	40' HQ
Pieces per Pallet	31
Pallets per Container	28
Pieces per Container	868
Gross Weight per Pallet	680kg
Gross Weight per Container	19040kg

## Temperature Characteristics

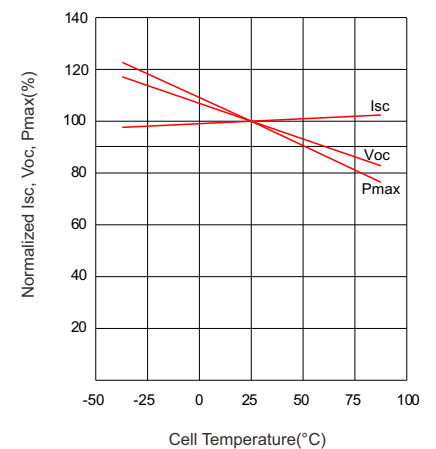
Nominal Module Operating Temperature (NMOT)	42°C±3°C
Temperature Coefficient of Isc	+0.038%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.365%/°C



Current-Voltage&Power-Voltage Curve(310W)



Temperature Dependence of Isc, Voc, Pmax(°C)



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