

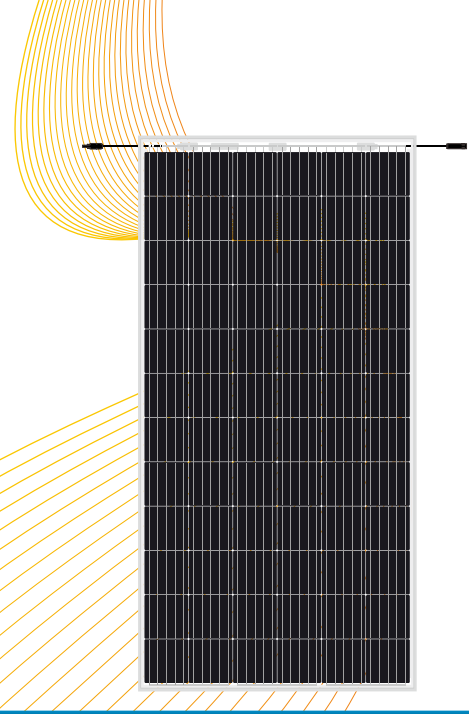


**DMEGC** Quality. Performance. Value.

## PERC MONO CRYSTALLINE BIFACIAL DOUBLE GLASS MODULE

DM390G1-B72ST

375 / 380 / 385 / 390



### 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



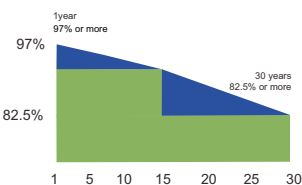
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## Power Output



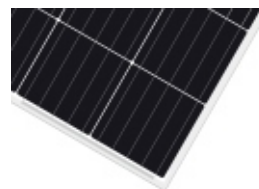
- Our IP68 rated junction box improves module performance and stability
- High-performance connectors provide low resistance interconnection to ensure the full utilization of module output power

## Warranty



- 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



# Electrical Specifications

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

Module Type	DM375G1-B72ST	DM380G1-B72ST	DM385G1-B72ST	DM390G1-B72ST
Output Tolerance	0/+3%			
Bifaciality Factor	70%±5%			
Maximum Rating Power(Pm)	375W	380W	385W	390W
Module Efficiency	18.61%	18.86%	19.11%	19.35%
Open Circuit Voltage(Voc)	48.97V	49.14V	49.31V	49.48V
Maximum Power Voltage(Vmp)	39.69V	39.88V	40.07V	40.26V
Short Circuit Current(Isc)	9.87A	9.95A	10.03A	10.11A
Maximum Power Current(Imp)	9.46A	9.54A	9.62A	9.70A

## Bifacial Gain

Gain (%)	Parameter	DM375G1-B72ST	DM380G1-B72ST	DM385G1-B72ST	DM390G1-B72ST
10%	Pm	412.5W	418W	423.5W	429W
20%	Pm	450W	456W	462W	468W
30%	Pm	487.5W	494W	500.5W	507W

## Mechanical Data

Cell Type	DMBD5B159-223
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 <sup>2</sup>
Connector Type	MC4/MC4 Compatible
Fire Rating Class	Class A

## Packaging

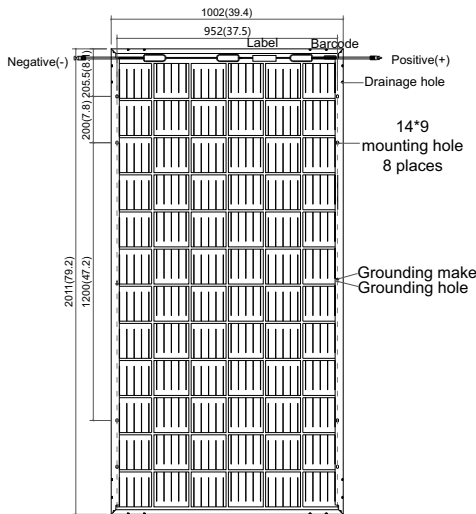
Module Dimensions	2011x1002x35mm
Weight	25.6kg
Pallet Dimensions	2060x1130x1140mm
Container	40' HQ
Pieces per Pallet	31
Pallets per Container	22
Pieces per Container	682
Gross Weight per Pallet	840kg
Gross Weight per Container	18480kg

## Maximum Ratings

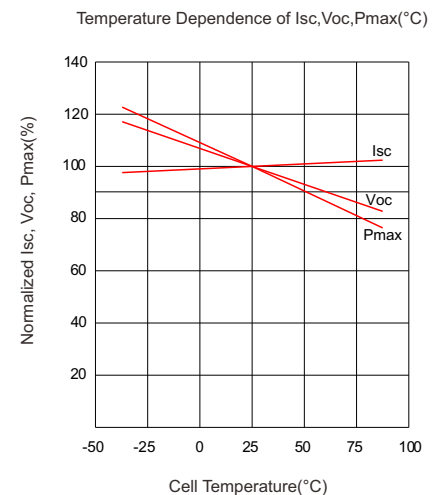
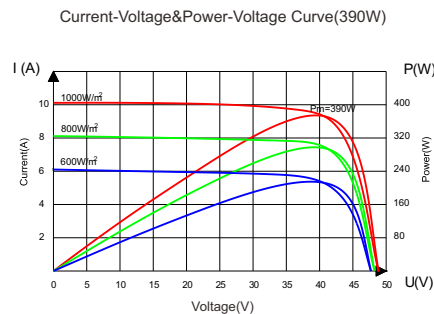
Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	25A
Number of Diodes	3

## 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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