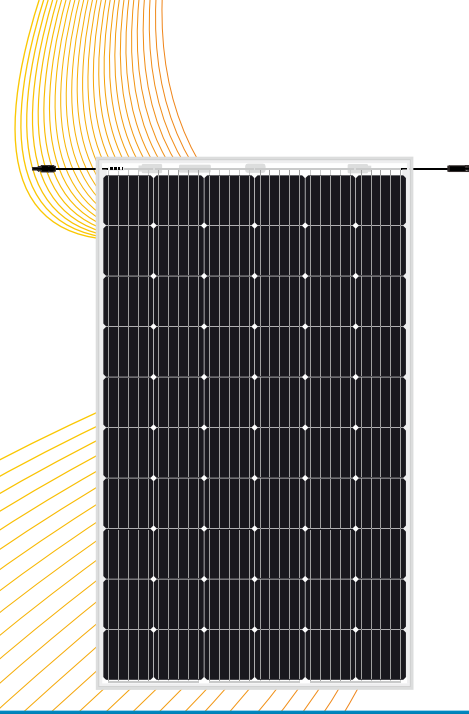


## PERC MONO CRYSTALLINE BIFACIAL DOUBLE GLASS MODULE

DM315M2-B60ST

300 / 305 / 310 / 315



### 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



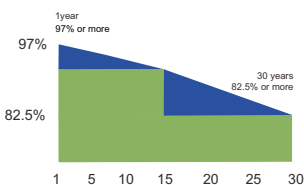
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## 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	DM300M2-B60ST	DM305M2-B60ST	DM310M2-B60ST	DM315M2-B60ST
Output Tolerance	0/3%			
Bifaciality Factor	70%±5%			
Maximum Rating Power(Pm)	300W	305W	310W	315W
Module Efficiency	17.94%	18.24%	18.53%	18.83%
Open Circuit Voltage(Voc)	40.75V	40.90V	41.06V	41.23V
Maximum Power Voltage(Vmp)	33.02V	33.20V	33.36V	33.55V
Short Circuit Current(Isc)	9.52A	9.62A	9.72A	9.82A
Maximum Power Current(Imp)	9.10A	9.20A	9.30A	9.40A

## Bifacial Gain

Gain (%)	Parameter	DM300M2-B60ST	DM305M2-B60ST	DM310M2-B60ST	DM315M2-B60ST
10%	Pm	330W	335.5W	341W	346.5W
20%	Pm	360W	366W	372W	378W
30%	Pm	390W	396.5W	403W	409.5W

## Mechanical Data

Cell Type	DMBD5B157-210
Cell Arrangement	60(6x10)
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	300(1000)mm/4mm <sup>2</sup>
Connector Type	MC4/MC4 Compatible
Fire Rating Class	Class A

## Packaging

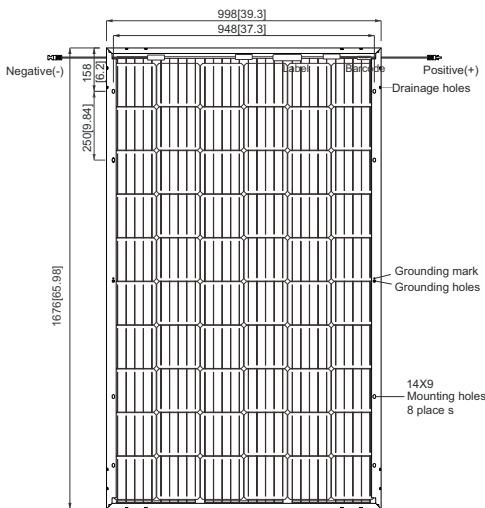
Module Dimensions	1676x998x35mm
Weight	22.4kg
Pallet Dimensions	1725x1130x1135mm
Container	40' HQ
Pieces per Pallet	31
Pallets per Container	26
Pieces per Container	806
Gross Weight per Pallet	735kg
Gross Weight per Container	19110kg

## 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	25A
Number of Diodes	3

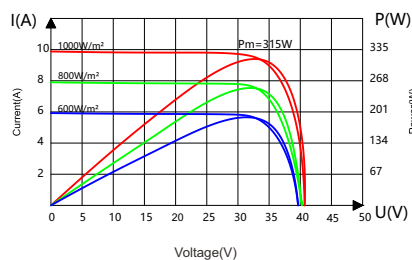
## Temperature Characteristics

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

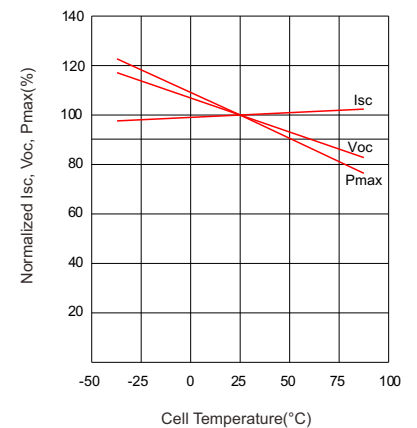


(Back side)  
Note:mm[inch]

Current-Voltage&Power-Voltage Curve(315W)



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



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