

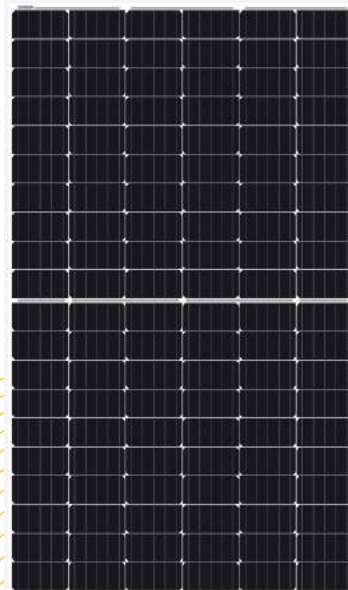
## MONO CRYSTALLINE MODULE ----- HALF CELLS

DMH300M6-120SW

60 x 6" / 285-300W

Wattages:

285 / 290  
295 / 300



### Technology

High module conversion efficiency through superior manufacturing technology



### Transparent Half-Cut Design

Avoid the hot pot effect  
Reduce power degradation



### 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



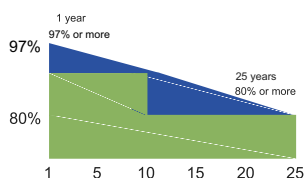
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## 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



- 10 Years Manufacturers Warranty
- Linear Power Output Warranty, no less than 80% at year 25th

## Visible Quality



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



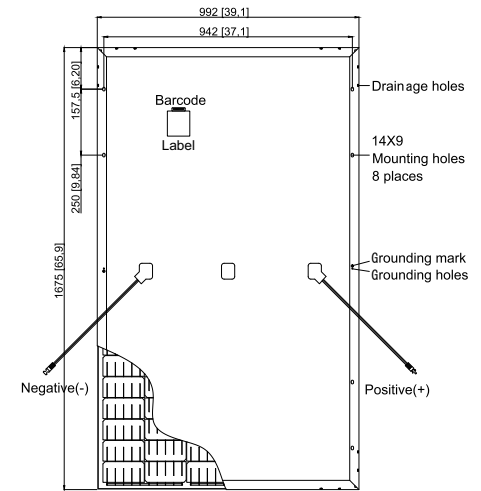
## Electrical Specifications

\* 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
DMH285M6-120SW	285	0/+3%	8.84	32.27	9.31	39.53	17.15%
DMH290M6-120SW	290	0/+3%	8.91	32.57	9.38	39.73	17.45%
DMH295M6-120SW	295	0/+3%	8.98	32.87	9.44	39.93	17.75%
DMH300M6-120SW	300	0/+3%	9.06	33.15	9.51	40.13	18.06%

## Mechanical Data

Cell Type	DMTD5B157-210(1/2)
Cell Arrangement	120(6x20)
Module Structure	Glass/EVA/Backsheet(white)
Glass Thickness	3.2mm
Application Class	Class A at IEC 61730
Junction Box Rating	IP68
Cables	1000mm/4mm <sup>2</sup>
Connector Type	MC4 Compatible
Fire Rating Class	Class C



(Back side)  
Note:mm[inch]

## Maximum Ratings

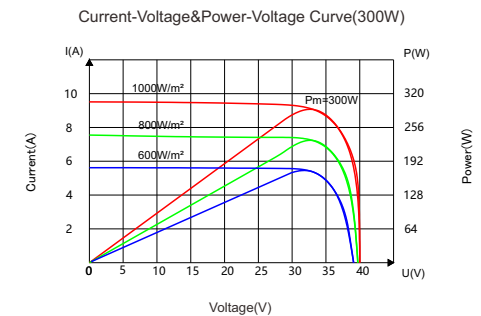
Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow 5400Pa / Wind 2400Pa
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	20A
Number of Diodes	3

## Packaging

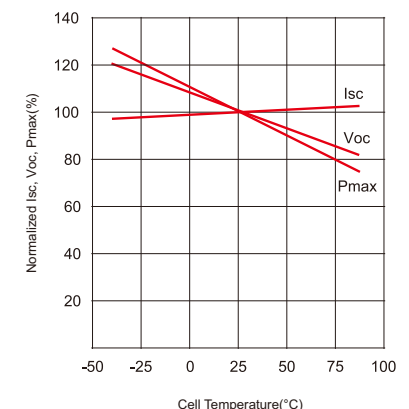
Module Dimensions	1675x992x35mm
Weight	18.5kg
Pallet Dimensions	1725x1130x1130mm
Container	40' HQ
Pieces per Pallet	31
Pallets per Container	26
Pieces per Container	806
Gross Weight per Pallet	610kg
Gross Weight per Container	15,860kg

## Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	45°C±2°C
Temperature Coefficient of Isc	+0.043%/°C
Temperature Coefficient of Voc	-0.320%/°C
Temperature Coefficient of Pmax	-0.420%/°C



Temperature Dependence of Isc, Voc, Pmax



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