

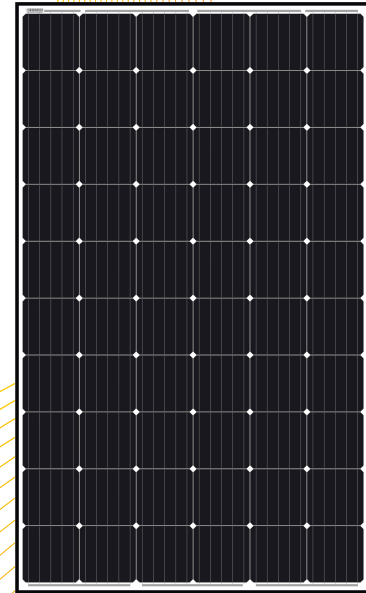
## PERC MONO CRYSTALLINE MODULE

DM305-M156-60B

60 x 6" / 295-305W

Wattages:

295 / 300 / 305



### Technology

High module conversion efficiency through superior manufacturing technology



PID Free



### 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



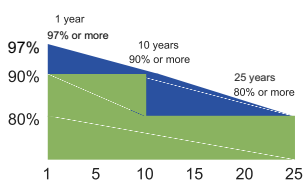
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## Power Output



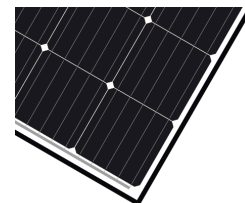
- Our IP67 rated junction box improves module performance and stability
- High-performance connectors provide low resistance interconnection to ensure the full utilization of module output power

## Warranty



- 10 Years Manufacturers Warranty
- 10 Years Warranty, 90% power output
- 25 Years Warranty, 80% power output

## 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 |
|----------------|-------|-----------|--------|--------|--------|---------|-------------------|
| DM295-M156-60B | 295   | 0/+3%     | 9.11   | 32.40  | 9.59   | 39.64   | 18.02%            |
| DM300-M156-60B | 300   | 0/+3%     | 9.21   | 32.61  | 9.69   | 39.80   | 18.33%            |
| DM305-M156-60B | 305   | 0/+3%     | 9.31   | 32.82  | 9.79   | 40.06   | 18.63%            |

## Mechanical Data

|                     |                               |
|---------------------|-------------------------------|
| Cell Type           | DMPD5B157-210                 |
| Cell Arrangement    | 60(6x10)                      |
| Module Structure    | Glass/ EVA / Backsheet(white) |
| Glass Thickness     | 3.2mm                         |
| Application Class   | Class A at IEC 61730          |
| Junction Box Rating | IP 67                         |
| Cables              | 1000mm/4mm <sup>2</sup>       |
| Connector Type      | 05-6                          |
| Fire Rating Class   | Class C                       |

## Maximum Ratings

|                            |                             |
|----------------------------|-----------------------------|
| Operating Temperature      | -40°C to +85°C              |
| Maximum Load Capacity      | Snow 5400Pa / Wind 2400Pa   |
| Maximum System Voltage     | 600V DC(UL) / 1000V DC(IEC) |
| Maximum Series Fuse Rating | 15A                         |
| Number of Diodes           | 3                           |

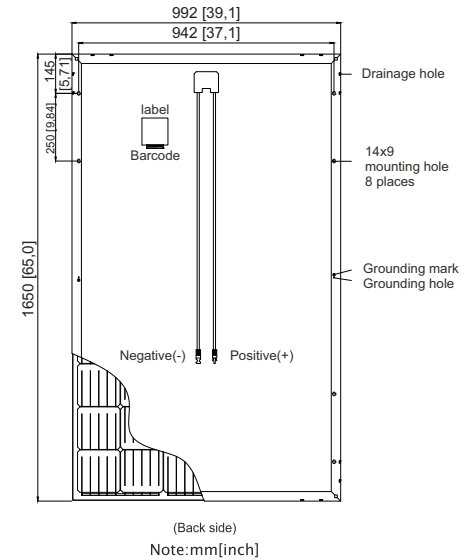
## Packaging

\* frame sizes (35mm/40mm) available upon request

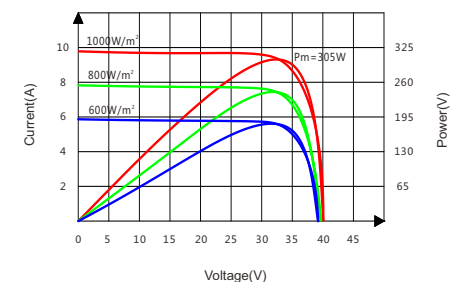
|                            |                |                |
|----------------------------|----------------|----------------|
| Module Dimensions          | 1650x992x40mm  | 1650x992x35mm  |
| Weight                     | 19kg           | 18.2kg         |
| Pallet Dimensions          | 1700x1130x1130 | 1700x1130x1130 |
| Container                  | 40' HQ         | 40' HQ         |
| Pieces per Pallet          | 26             | 29             |
| Pallets per Container      | 28             | 28             |
| Pieces per Container       | 728            | 812            |
| Gross Weight per Pallet    | 535kg          | 570kg          |
| Gross Weight per Container | 14,980kg       | 15,960kg       |

## Temperature Characteristics

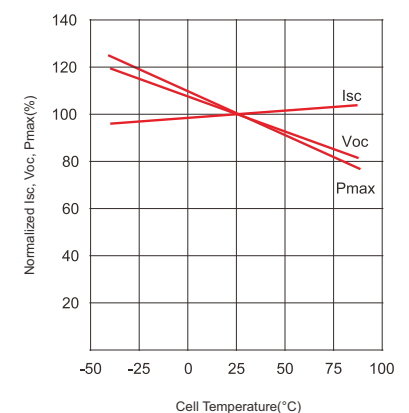
|   |            |
|---|------------|
| Nominal Operating Cell Temperature (NOCT) | 45°C±2°C   |
| Temperature Coefficient of Isc            | +0.060%/°C |
| Temperature Coefficient of Voc            | -0.300%/°C |
| Temperature Coefficient of Pmax           | -0.390%/°C |



Current-Voltage&Power-Voltage Curve(305W)



Temperature Dependence of Isc, Voc, Pmax



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