

## MONO CRYSTALLINE MODULE

DM290-M156-60

60 x 6" / 275-290W

Wattages :

275 / 280

285 / 290



### Technology

High module conversion efficiency through superior manufacturing technology



### Voltage resistance

Module can withstand the 1500V system voltage



### 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



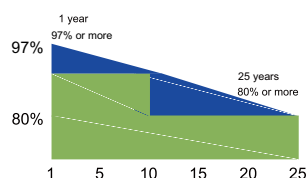
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## 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 & 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 |
| DM275-M156-60             | 275   | 0/+3%     | 8.79                                                                                  | 31.31  | 9.25   | 38.68   | 16.80%            |
| DM280-M156-60             | 280   | 0/+3%     | 8.87                                                                                  | 31.60  | 9.32   | 38.89   | 17.11%            |
| DM285-M156-60             | 285   | 0/+3%     | 8.94                                                                                  | 31.90  | 9.39   | 39.10   | 17.41%            |
| DM290-M156-60             | 290   | 0/+3%     | 9.02                                                                                  | 32.20  | 9.46   | 39.31   | 17.72%            |

| Mechanical Data     |                               |
|---------------------|-------------------------------|
| Cell Type           | DMTD5B157-210                 |
| 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 68                         |
| Cables              | 1000mm/4mm <sup>2</sup>       |
| Connector Type      | MC4 Compatible                |
| Fire Rating Class   | Class C                       |

| 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          | 1650x992x35mm    |
| Weight                     | 18.2kg           |
| Pallet Dimensions          | 1700x1130x1130mm |
| Container                  | 40' HQ           |
| Pieces per Pallet          | 31               |
| Pallets per Container      | 28               |
| Pieces per Container       | 868              |
| Gross Weight per Pallet    | 600kg            |
| Gross Weight per Container | 16,800kg         |

| 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 |  |

