

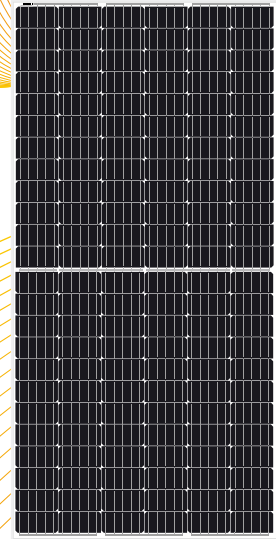


Quality. Performance. Value.

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

DMH390M6-144SW

375 / 380 / 385 / 390



### Technology

High module conversion efficiency through superior manufacturing technology



### Half-Cut Design

Avoid the hot spot effect  
Reduce power degradation



### 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

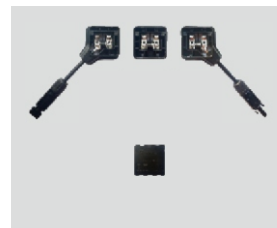
[www.dmegcsolar.com](http://www.dmegcsolar.com)

## Superior Manufacturing-Quality Assurance



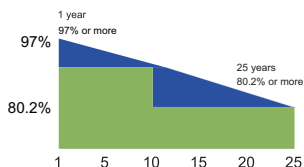
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## 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



- 10 Years Manufacturers Warranty
- Linear Power Output Warranty, no less than 80.2% 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 |
|----------------|-------|-----------|--------|--------|--------|---------|-------------------|
| DMH375M6-144SW | 375   | 0/+3%     | 9.35   | 40.13  | 9.76   | 49.38   | 18.90%            |
| DMH380M6-144SW | 380   | 0/+3%     | 9.44   | 40.30  | 9.84   | 49.54   | 19.15%            |
| DMH385M6-144SW | 385   | 0/+3%     | 9.52   | 40.47  | 9.92   | 49.70   | 19.41%            |
| DMH390M6-144SW | 390   | 0/+3%     | 9.61   | 40.62  | 10.02  | 49.86   | 19.66%            |

## Mechanical Data

|                     |                            |
|---------------------|----------------------------|
| Cell Type           | DMPD5B157-210(1/2)         |
| Cell Arrangement    | 144(6x24)                  |
| Module Structure    | Glass/EVA/Backsheet(white) |
| Glass Thickness     | 3.2mm                      |
| Application Class   | Class A at IEC 61730       |
| Junction Box Rating | IP67/IP68                  |
| Cables              | 1000mm/4mm <sup>2</sup>    |
| Connector Type      | MC4/MC4 Compatible         |
| Fire Rating Class   | C                          |

## Maximum Ratings

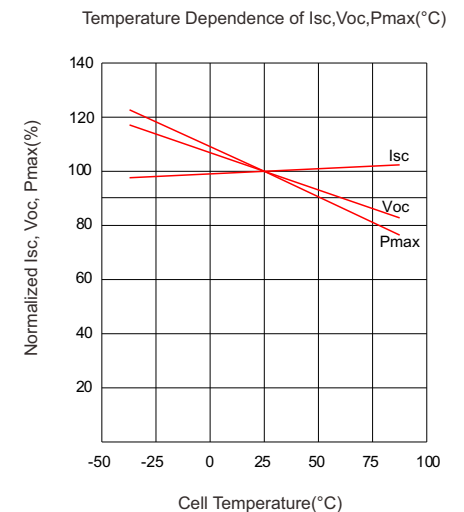
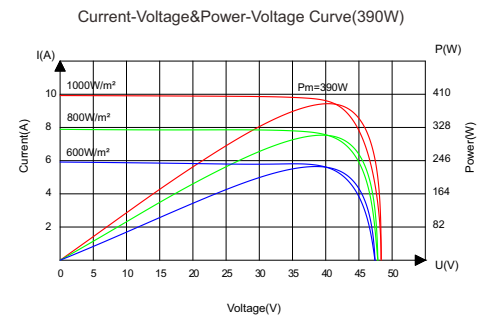
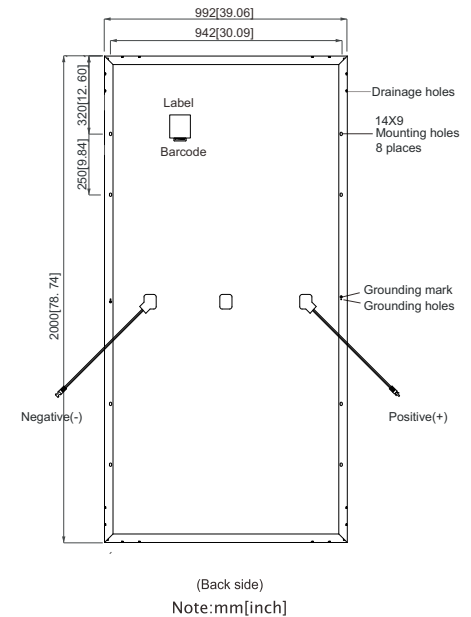
|                            |                         |
|----------------------------|-------------------------|
| Operating Temperature      | -40°C to +85°C          |
| Maximum Load Capacity      | Snow 5400Pa/Wind 2400Pa |
| Maximum System Voltage     | 1000V/1500V DC(IEC)     |
| Maximum Series Fuse Rating | 20A                     |
| Number of Diodes           | 3                       |

## Packaging

|                            |                  |
|----------------------------|------------------|
| Module Dimensions          | 2000x992x40mm    |
| Weight                     | 22.7kg           |
| Pallet Dimensions          | 2050x1130x1130mm |
| Container                  | 40' HQ           |
| Pieces per Pallet          | 27               |
| Pallets per Container      | 22               |
| Pieces per Container       | 594              |
| Gross Weight per Pallet    | 650kg            |
| Gross Weight per Container | 14,300kg         |

## 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 |



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