

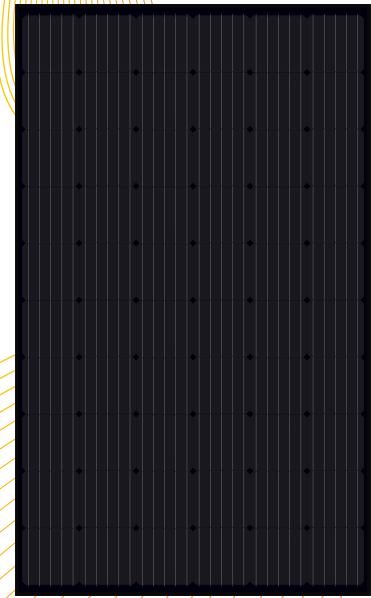
PERC MONO CRYSTALLINE MODULE

DM300-M156-60BK

60 x 6" / 290-300W

Wattages:

290 / 295 / 300



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

Superior Manufacturing-Quality Assurance



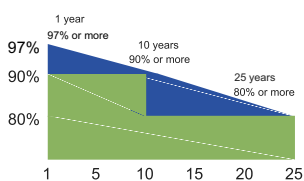
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

Power Output



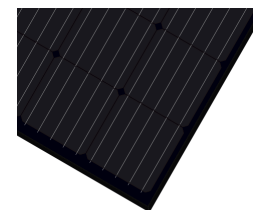
- Our IP67 rated junction box improves module performance and stability
- High-performance connectors provide low resistance interconnection to ensure the full utilization of module output power

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/m² 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 |
|-----------------|-------|-----------|--------|--------|--------|---------|-------------------|
| DM290-M156-60BK | 290 | 0/+3% | 9.01 | 32.19 | 9.49 | 39.48 | 17.72% |
| DM295-M156-60BK | 295 | 0/+3% | 9.11 | 32.40 | 9.59 | 39.64 | 18.02% |
| DM300-M156-60BK | 300 | 0/+3% | 9.21 | 32.61 | 9.69 | 39.80 | 18.33% |

Mechanical Data

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

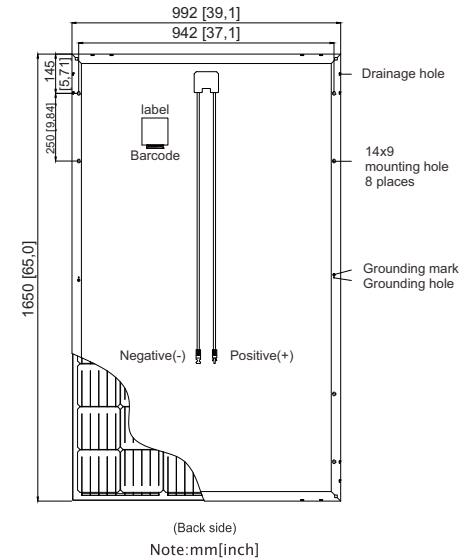
Packaging

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

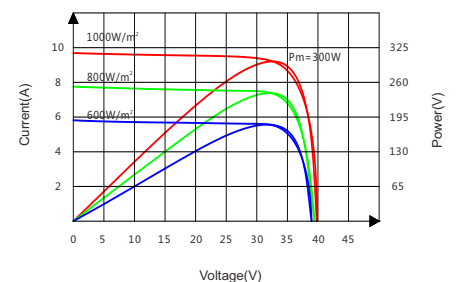
| | | |
|----------------------------|----------------|----------------|
| Module Dimensions | 1650x992x40mm | 1650x992x35mm |
| Weight | 19kg | 18.2kg |
| Pallet Dimensions | 1700x1130x1130 | 1700x1130x1130 |
| Container | 40' HQ | 40' HQ |
| Pieces per Pallet | 26 | 29 |
| Pallets per Container | 28 | 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(300W)



Temperature Dependence of Isc, Voc, Pmax

