

## MONOCRYSTALLINE MODULE

DM270-M156-60 Black series

60 x 6" / 245 - 270W

Wattages:

245 / 250 / 255

260 / 265 / 270



### Technology

High module conversion efficiency through superior manufacturing technology



### Durability

Module can bear snow loads (5400Pa) and wind loads (2400Pa)



### 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

DMEGC SOLAR.COM

## Superior Manufacturing - Quality Assurance



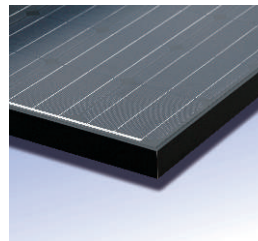
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- Triple 100% EL Test- before & after lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## 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

## Visible Quality



- Durable, high-quality, smooth aluminum alloy frames
- Rigid construction - 2400 Pa & 5400 Pa rated assembly
- Specially designed drainage holes prevent the frame from deforming or breaking due to freezing weather and other forces

## Warranty

- 10 Year Manufacturer's Warranty
- 10 Year Warranty, 90% power output
- 25 Year Warranty, 80% power output

Certifications and standards:  
IEC 61215, IEC 61730 - Conformity to CE  
UL1703



## Electrical Specifications

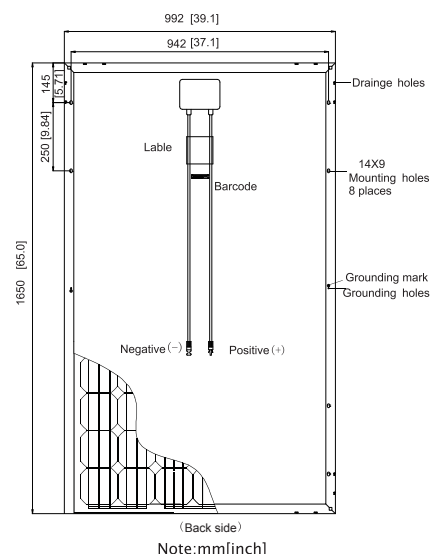
\* STC irradiance of 1000W/m<sup>2</sup>, spectrum AM 1.5 and cell temperature of 25 °C

Module Type	Pm(W)	Tolerance	Imp(A)	Vmp(V)	Isc(A)	Voc (V)	Module Efficiency
DM245-M156-60	245	0/+3%	8.06	30.4	8.55	37.4	14.97%
DM250-M156-60	250	0/+3%	8.15	30.7	8.60	37.9	15.27%
DM255-M156-60	255	0/+3%	8.20	31.1	8.64	38.3	15.58%
DM260-M156-60	260	0/+3%	8.26	31.5	8.67	38.8	15.88%
DM265-M156-60	265	0/+3%	8.31	31.9	8.70	39.3	16.19%
DM270-M156-60	270	0/+3%	8.37	32.3	8.74	39.8	16.50%

## Mechanical Data

\* Other frame sizes (35mm / 45 mm) available upon request

Cell Type	Monocrystalline 156 × 156 mm / 6 × 6 inches
Cell Arrangement	60 (6 × 10)
Dimensions (L x W x H)	1650 × 992 × 40 mm / 65.0 × 39.1 × 1.57 inches
Weight (kg/lbs)	18.7kg / 41 lbs
Module Structure	Glass / EVA / Backsheet (Black)
Front Glass Thickness	3.2 mm / 0.13 inches
Application Class	Class A at IEC 61730
Junction Box Rating	IP67
Cables	1000mm / 4 mm <sup>2</sup> - 39.4 inches / 0.006 inches <sup>2</sup>
Connector Type	MC4 compatible
Fire Rating Class	Class C



## Maximum Ratings

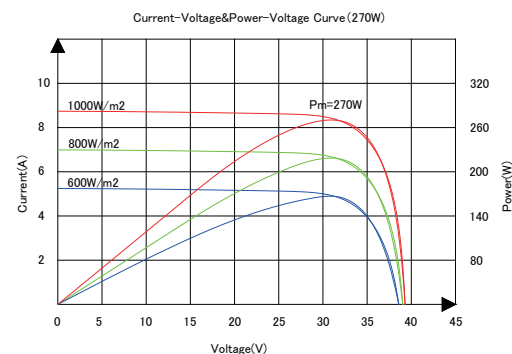
Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow - 5400 Pa / Wind - 2400 Pa
Maximum System Voltage	600V DC (UL) / 1000V DC (IEC)
Maximum Series Fuse Rating	15A
Number of Diodes / Busbars	3 / 3
Maximum Cell Efficiency	6" Mono / 19.2%

## Packaging

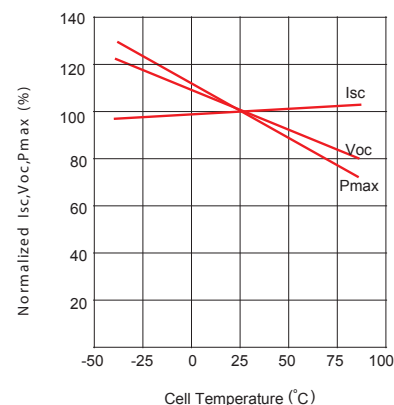
Pallet Dimensions	1690 × 1130 × 1230 mm / 66.5 × 44.5 × 48.4 inches
Container	40' HQ
Pieces per Pallet	28
Pallets per Container	28
Pieces per Container	784
Gross Weight per Pallet	570 kg / 1,257 lbs
Gross Weight per Container	15,960 kg / 35,186 lbs

## Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C
Temperature Coefficient of Isc	+0.0425% / °C
Temperature Coefficient of Voc	-0.3682% / °C
Temperature Coefficient of Pmax	-0.43% / °C



Temperature Dependence of Isc, Voc, Pmax



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