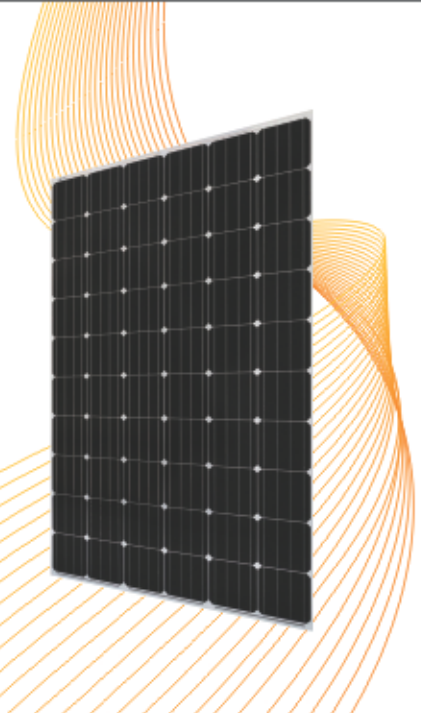


# PERC MONOCRYSTALLINE MODULE



## DM295-M156-60 Series

60 x 6" / 275 - 295W

### Wattages:

275 / 280 / 285

290 / 295



### 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)

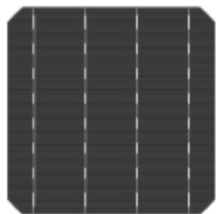


### Value

Our vertically integrated business model allows for competitive pricing and great value

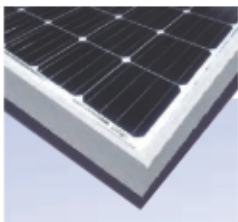
[www.dmegcsolar.com](http://www.dmegcsolar.com)

## Excellent Electrical Performance Cells



- PERC Monocrystalline 156.75X156.75mm cells have been used in the modules with better performance in terms of parameters

## 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

## 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



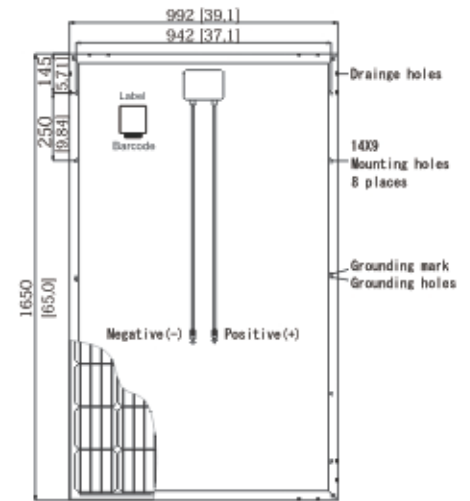
## Electrical Specifications

\* 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%	8.71	31.56	9.19	39.00	16.80%
DM280-M156-60	280	0/+3%	8.81	31.77	9.29	39.16	17.11%
DM285-M156-60	285	0/+3%	8.91	31.98	9.39	39.32	17.41%
DM290-M156-60	290	0/+3%	9.01	32.19	9.49	39.48	17.72%
DM295-M156-60	295	0/+3%	9.11	32.40	9.59	39.64	18.02%

## Mechanical Data

Cell Type	DMTD4B157-210(PERC)
Cell Arrangement	60 (6 × 10)
Module Structure	Glass / EVA / Backsheet(white)
Front Glass Thickness	3.2mm
Application Class	Class A at IEC 61730
Junction Box Rating	IP67
Cables	1000mm/4mm <sup>2</sup>
Connector Type	MC4 compatible
Fire Rating Class	Class C



(Back side)  
Note:mm[inch]

## Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow - 5400 Pa / Wind - 2400 Pa
Maximum System Voltage	1000V DC (IEC) / 600V DC (UL)
Maximum Series Fuse Rating	15A
Number of Diodes / Busbars	3 / 4
Maximum Cell Efficiency	21.0%

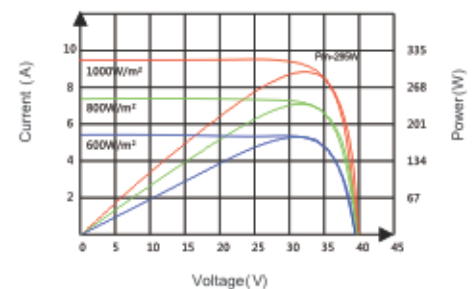
## Packaging

Module Dimensions	1650 × 992 × 40 mm
Weight	19.0 kg
Pallet Dimensions	1690 x 1130 x 1230mm
Container	40' HQ
Pieces per Pallet	28
Pallets per Container	28
Pieces per Container	784
Gross Weight per Pallet	578 kg
Gross Weight per Container	16,184 kg

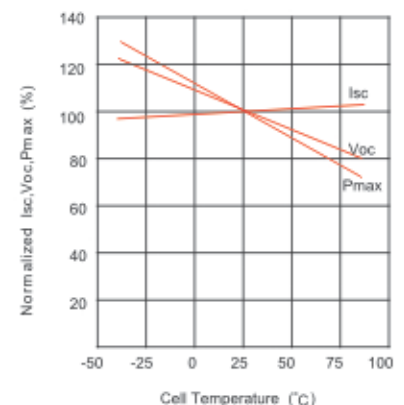
## Temperature Characteristics

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 (295W)



Temperature Dependence of Isc, Voc, Pmax



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