

POLYCRYSTALLINE MODULE

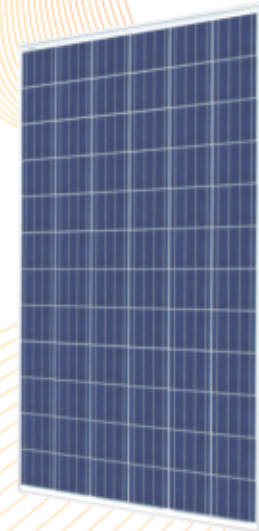
DM320-P156-72 Series

72 x 6" / 300 - 320W

Wattages:

300 / 305 / 310

315 / 320



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

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/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
DM300-P156-72	300	0/+3%	8.26	36.33	8.83	45.40	15.46%
DM305-P156-72	305	0/+3%	8.37	36.47	8.91	45.52	15.72%
DM310-P156-72	310	0/+3%	8.47	36.61	8.99	45.64	15.98%
DM315-P156-72	315	0/+3%	8.58	36.75	9.07	45.76	16.23%
DM320-P156-72	320	0/+3%	8.68	36.89	9.15	45.88	16.49%

Mechanical Data

Cell Type	DMTP4B156X156
Cell Arrangement	72(6X12)
Module Structure	Glass / EVA / Backsheet (White)
Front Glass Thickness	4.0mm
Application Class	Class A at IEC 61730
Junction Box Rating	IP67
Cables	1200mm/4mm ²
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	1000V DC (IEC) / 600V DC (UL)
Maximum Series Fuse Rating	15A
Number of Diodes / Busbars	3 / 4
Maximum Cell Efficiency	18.6%

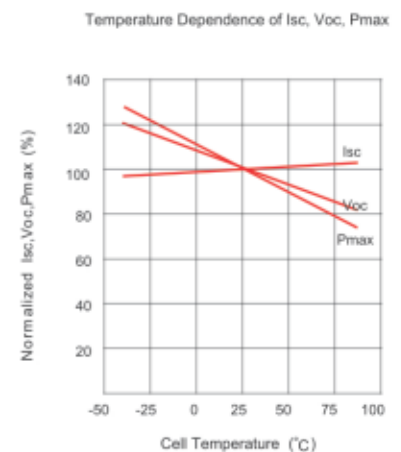
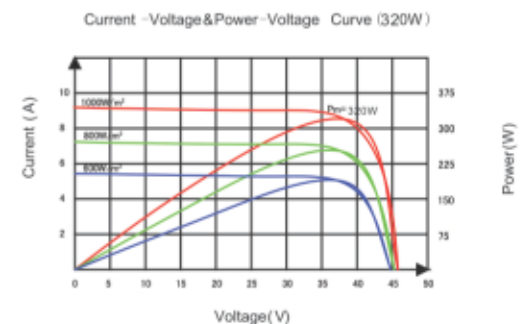
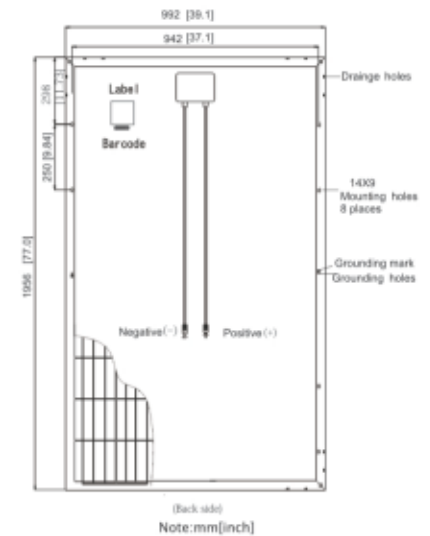
Packaging

* frame sizes (45mm / 50 mm) available upon request

Module Dimensions	1956 × 992 × 45 mm	1956 × 992 × 50 mm
Weight	26.0 kg	26.7 kg
Pallet Dimensions	2000 x 1130 x 1240mm	2000 x 1130 x 1250mm
Container	40' HQ	40' HQ
Pieces per Pallet	25	23
Pallets per Container	22	22
Pieces per Container	550	506
Gross Weight per Pallet	700 kg	665kg
Gross Weight per Container	15,400 kg	14,630 kg

Temperature Characteristics

Nominal Operating Cell Temperature (NOCT)	45°C ± 2°C
Temperature Coefficient of Isc	+0.057 % / °C
Temperature Coefficient of Voc	-0.308 % / °C
Temperature Coefficient of Pmax	-0.406 % / °C



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