

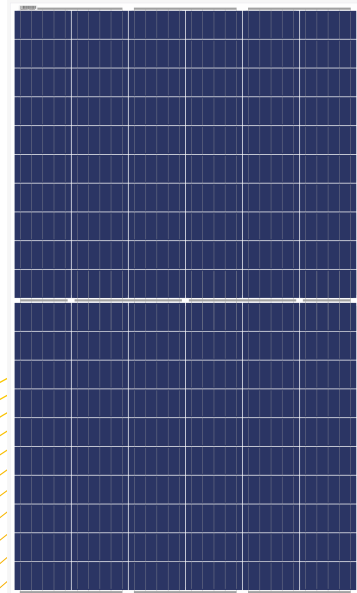
POLY CRYSTALLINE MODULE -----HALF CELLS

DMH285P6-120

60 x 6" / 275-285W

Wattages:

275 / 280 / 285



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



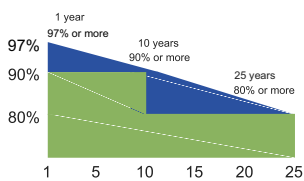
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

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



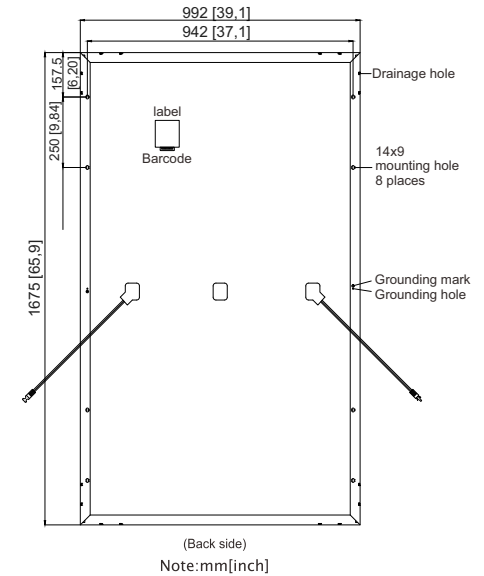
Electrical Specifications

* 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
DMH275P6-120	275	0/+3%	8.86	31.06	9.23	38.47	16.55%
DMH280P6-120	280	0/+3%	8.97	31.25	9.32	38.62	16.85%
DMH285P6-120	285	0/+3%	9.08	31.43	9.41	38.80	17.15%

Mechanical Data

Cell Type	DMTP5B157X157(1/2)
Cell Arrangement	120(12x10)
Module Structure	Glass/ EVA / Backsheet(black)
Glass Thickness	3.2mm
Application Class	Class A at IEC 61730
Junction Box Rating	IP 67
Cables	350mm/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

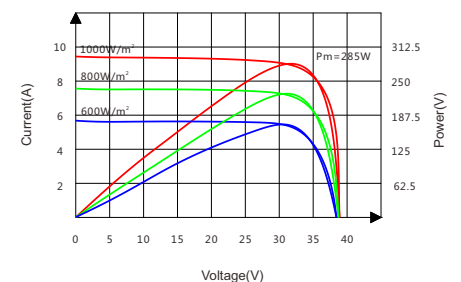
Packaging

Module Dimensions	1675x992x40mm
Weight	19.5kg
Pallet Dimensions	1715x1130x1130
Container	40' HQ
Pieces per Pallet	26
Pallets per Container	26
Pieces per Container	676
Gross Weight per Pallet	550kg
Gross Weight per Container	14,300kg

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

Current-Voltage&Power-Voltage Curve(285W)



Temperature Dependence of Isc, Voc, Pmax

