

## POLY CRYSTALLINE MODULE -----HALF CELLS

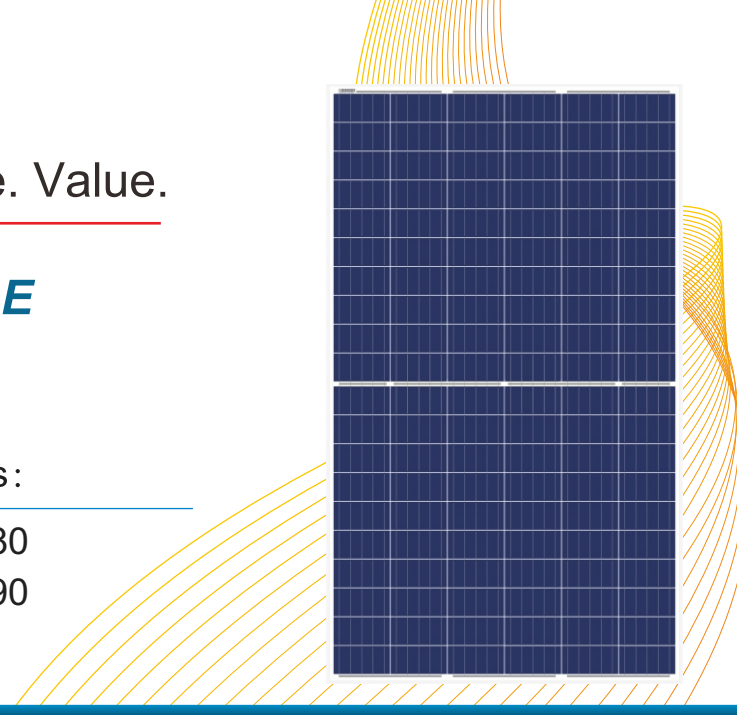
DMH290P6-120SW

60 x 6" / 275-290W

Wattages:

275 / 280

285 / 290



### 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)

## Superior Manufacturing-Quality Assurance



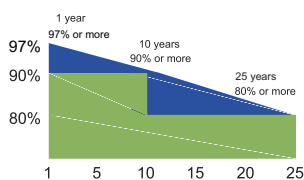
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## 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/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
DMH275P6-120SW	275	0/+3%	8.86	31.06	9.23	38.47	16.55%
DMH280P6-120SW	280	0/+3%	8.97	31.25	9.32	38.62	16.85%
DMH285P6-120SW	285	0/+3%	9.08	31.43	9.41	38.80	17.15%
DMH290P6-120SW	290	0/+3%	9.19	31.60	9.50	38.97	17.45%

## Mechanical Data

Cell Type	DMTP5B157X157(1/2)
Cell Arrangement	120(6x20)
Module Structure	Glass/ EVA / Backsheet(white)
Glass Thickness	3.2mm
Application Class	Class A at IEC 61730
Junction Box Rating	IP 67
Cables	1000mm/4mm <sup>2</sup>
Connector Type	MC4 Compatible
Fire Rating Class	Class C

## Maximum Ratings

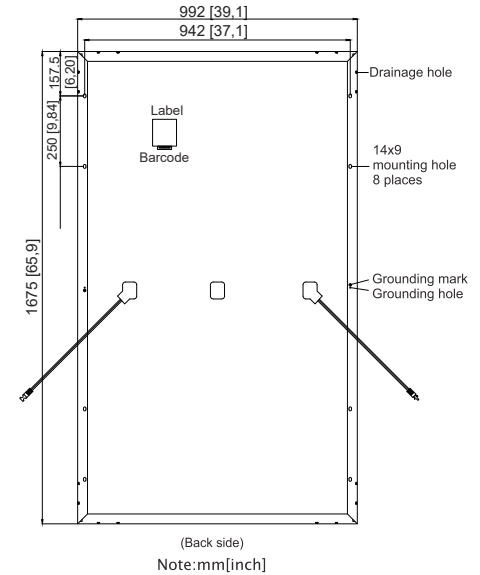
Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow 5400Pa / Wind 2400Pa
Maximum System Voltage	1500V DC (IEC)
Maximum Series Fuse Rating	20A
Number of Diodes	3

## Packaging

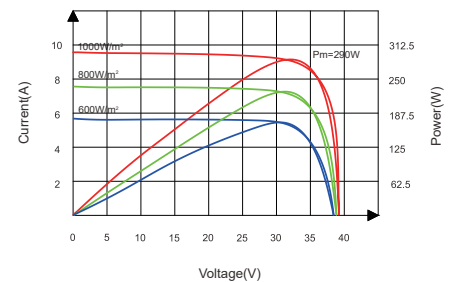
Module Dimensions	1675x992x35mm
Weight	18.5kg
Pallet Dimensions	1725x1130x1130mm
Container	40' HQ
Pieces per Pallet	29
Pallets per Container	26
Pieces per Container	754
Gross Weight per Pallet	505kg
Gross Weight per Container	13, 130kg

## Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	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(290W)



Temperature Dependence of Isc, Voc, Pmax

