

POLY CRYSTALLINE MODULE -----HALF CELLS

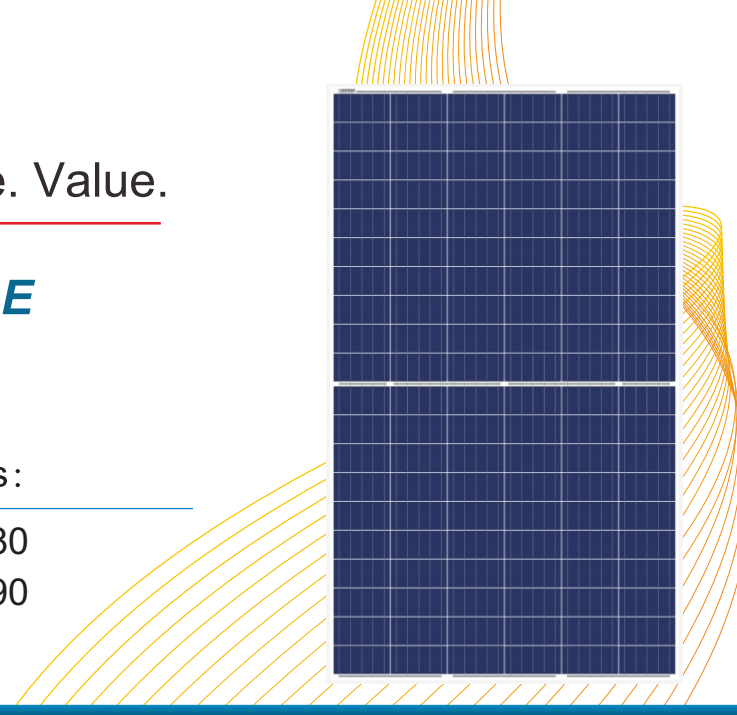
DMH290P6-120SW

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

Superior Manufacturing-Quality Assurance



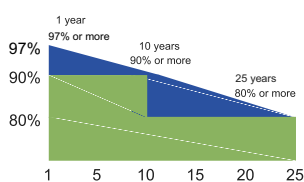
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

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



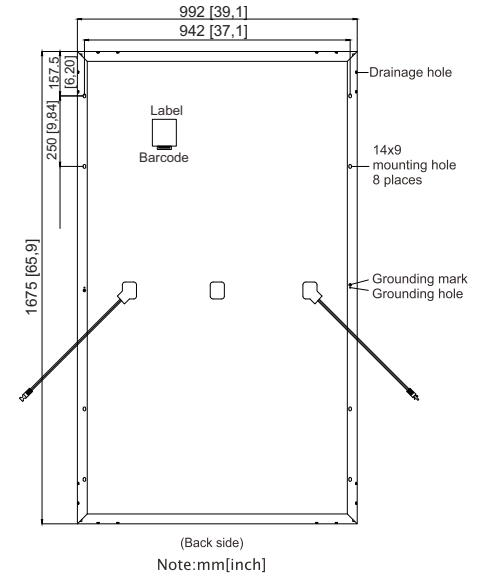
Electrical Specifications

* 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
DMH275P6-120SW	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 ²
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

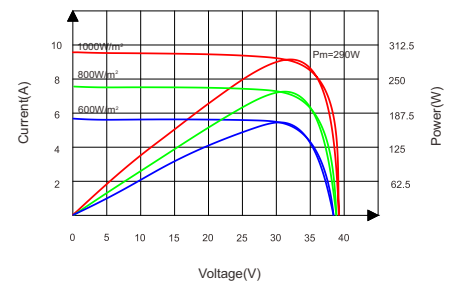
Packaging

Module Dimensions	1675x992x40mm
Weight	19.3kg
Pallet Dimensions	1725x1130x1130mm
Container	40' HQ
Pieces per Pallet	26
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Pieces per Container	676
Gross Weight per Pallet	540kg
Gross Weight per Container	14, 040kg

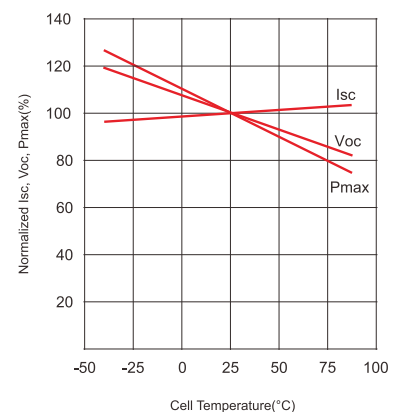
Temperature Characteristics

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



Hengdian Group DMEGC Magnetics Co., Ltd.
Hengdian Industrial Zone, Dongyang City
Zhejiang Province, China 322118

Tel: 0086-579-8658-8825 Fax: 0086-579-8655-4845
Email: solar@dmegc.com.cn
www.chinadmegc.com www.dmegcsolar.com