

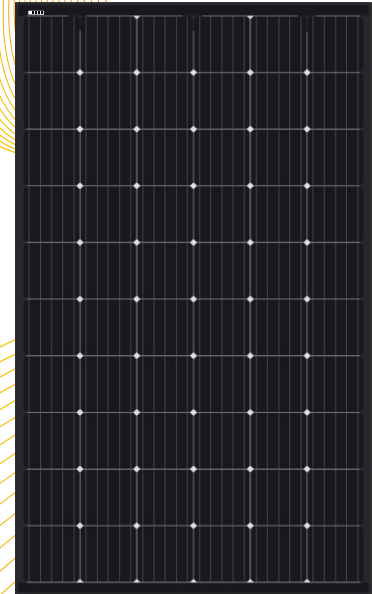
PERC MONO CRYSTALLINE DOUBLE GLASS MODULE

DMG305M6-60BT

60 x 6" / 290-305W

Wattages:

290 / 295
300 / 305



Technology

High module conversion efficiency through superior manufacturing technology



Voltage resistance

Module can withstand the 1500V system voltage



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



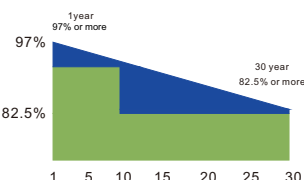
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

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



- 15 Years Manufacturers Warranty
- Linear Power Output Warranty, no less than 82.5% at year 30th

Visible Quality



- Durable, high-quality
- Rigid construction: 5400Pa & 2400 Pa 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
DMG290M6-60BT	290	0/+3%	9.01	32.19	9.49	39.48	17.46%
DMG295M6-60BT	295	0/+3%	9.11	32.40	9.59	39.64	17.76%
DMG300M6-60BT	300	0/+3%	9.21	32.61	9.69	39.80	18.07%
DMG305M6-60BT	305	0/+3%	9.31	32.82	9.79	40.06	18.37%

Mechanical Data

Cell Type	DMPD5B157-210
Cell Arrangement	60(6x10)
Module Structure	Glass/ EVA / Glass
Glass Thickness	2.0mm/2.0mm(front/back)
Application Class	Class A at IEC 61730
Junction Box Rating	IP 67
Cables	1000mm/4mm ²
Connector Type	MC4 Compatible
Fire Rating Class	Class A

Maximum Ratings

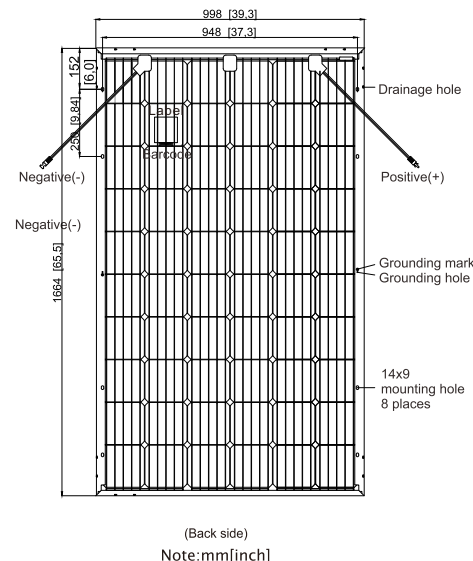
Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow 5400Pa / Wind 2400Pa
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	15A
Number of Diodes	3

Packaging

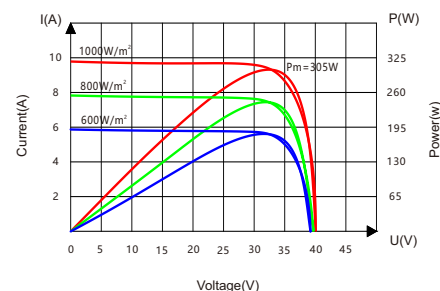
Module Dimensions	1664x998x40mm
Weight	22.5kg
Pallet Dimensions	1715x1130x1135mm
Container	40' HQ
Pieces per Pallet	27
Pallets per Container	28
Pieces per Container	756
Gross Weight per Pallet	645kg
Gross Weight per Container	18,060kg

Temperature Characteristics

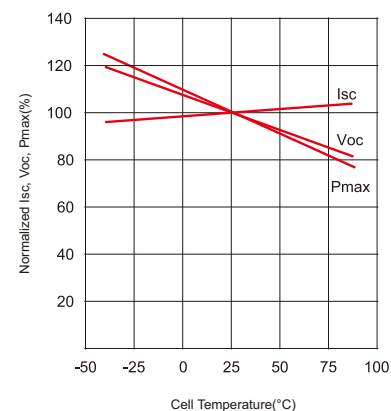
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficient of Isc	+0.060%/°C
Temperature Coefficient of Voc	-0.300%/°C
Temperature Coefficient of Pmax	-0.390%/°C



Current-Voltage&Power-Voltage Curve(305W)



Temperature Dependence of Isc, Voc, Pmax



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