

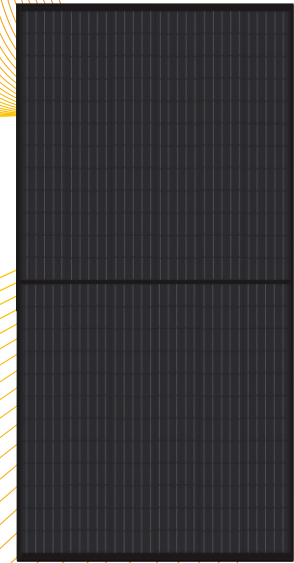


Quality. Performance. Value.

PERC MONO CRYSTALLINE MODULE -----HALF CELLS

DM405G1-72HBB

390 / 395 / 400 / 405



Technology

High module conversion efficiency through superior manufacturing technology



Half-Cut Design

Avoid the hot spot effect
Reduce power degradation



PID Free

Excellent PID resistance according to IEC TS 62804-1



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.dmegc.solar

Superior Manufacturing-Quality Assurance



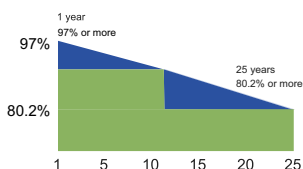
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

Power Output



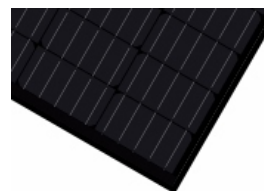
- Our IP68 rated junction box improves module performance and stability
- High-performance connectors provide low resistance interconnection to ensure the full utilization of module output power

Warranty



- 12 Years Manufacturers Warranty
- Linear Power Output Warranty, no less than 80.2% at year 25th

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
DM390G1-72HBB	390	0/+3%	9.65	40.46	10.06	49.65	19.38%
DM395G1-72HBB	395	0/+3%	9.73	40.64	10.14	49.82	19.63%
DM400G1-72HBB	400	0/+3%	9.81	40.82	10.22	49.99	19.88%
DM405G1-72HBB	405	0/+3%	9.89	40.98	10.30	50.16	20.13%

Mechanical Data

Cell Type	P type Mono-crystalline
Cell Arrangement	72(6x12)
Module Structure	Glass/EVA/Backsheet(both black/black inside and white outside)
Glass Thickness	3.2mm
PV module classification	Class II
Junction Box Rating	IP67/IP68
Cables	1200mm/4mm ²
Connector Type	MC4/MC4 Compatible
Fire Rating Class	C

Maximum Ratings

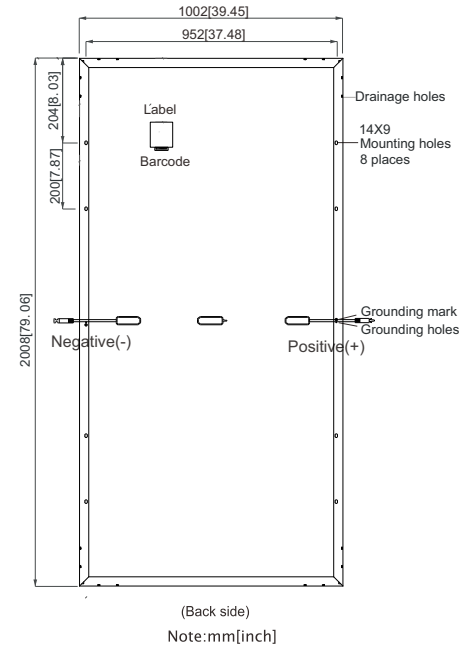
Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow 5400Pa / Wind 2400Pa
Maximum System Voltage	1000V
Maximum Series Fuse Rating	20A
Number of Diodes	3

Packaging

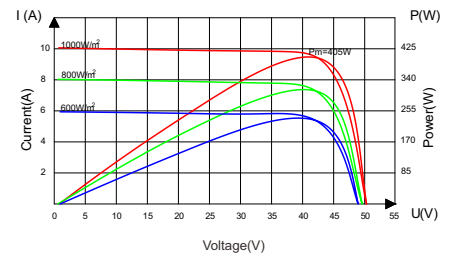
Module Dimensions	2008x1002x35mm
Weight	22.6kg
Pallet Dimensions	2060x1130x1140mm
Container	40' HQ
Pieces per Pallet	31
Pallets per Container	22
Pieces per Container	682
Gross Weight per Pallet	740kg
Gross Weight per Container	16280kg

Temperature Characteristics

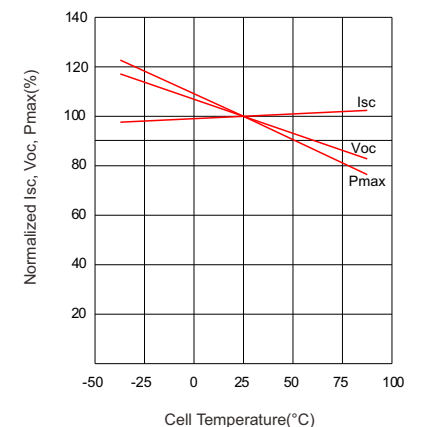
Nominal Module Operating Temperature (NMOT)	42°C±3°C
Temperature Coefficient of Isc	+0.038%/°C
Temperature Coefficient of Voc	-0.270%/°C
Temperature Coefficient of Pmax	-0.365%/°C



Current-Voltage&Power-Voltage Curve(405W)



Temperature Dependence of Isc, Voc, Pmax(°C)



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