

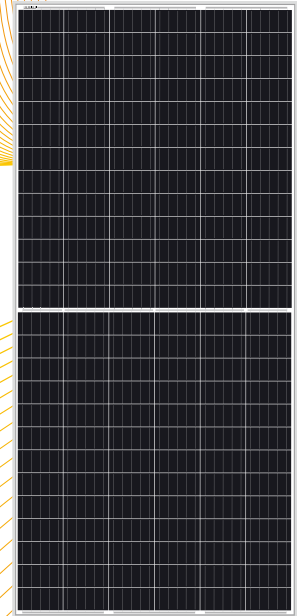


Quality. Performance. Value.

PERC MONO CRYSTALLINE MODULE -----HALF CELLS

DM440G1-78HSW

425 / 430 / 435 / 440



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

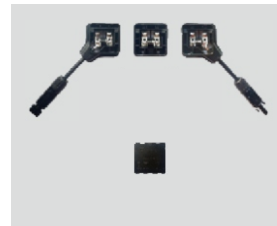
www.dmegcsolar.com

Superior Manufacturing-Quality Assurance



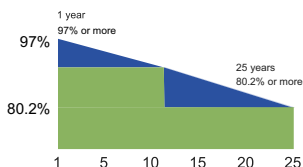
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

Power Output



- Our 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



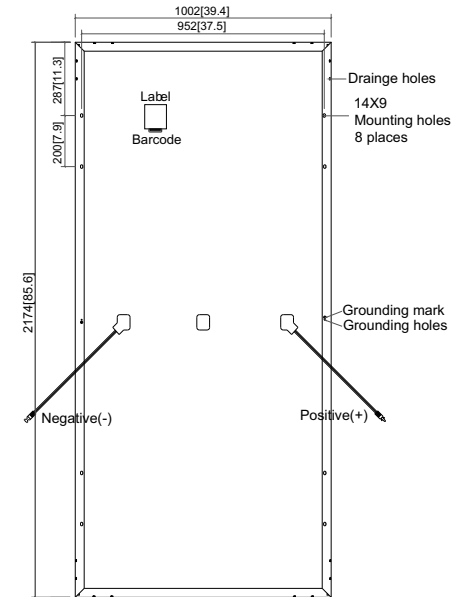
Electrical Specifications

* 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
DM425G1-78HSW	425	0/+3%	9.74	43.67	10.13	53.68	19.51%
DM430G1-78HSW	430	0/+3%	9.81	43.85	10.21	53.85	19.74%
DM435G1-78HSW	435	0/+3%	9.89	44.02	10.29	54.02	19.97%
DM440G1-78HSW	440	0/+3%	9.96	44.20	10.37	54.19	20.20%

Mechanical Data

Cell Type	DMPD5B159-223(1/2)
Cell Arrangement	156(6x26)
Module Structure	Glass/EVA/Backsheet(white)
Glass Thickness	3.2mm
Application Class	Class A at IEC 61730
Junction Box Rating	IP67/IP68
Cables	1200mm/4mm ²
Connector Type	MC4/MC4 Compatible
Fire Rating Class	C



(Back side)
Note:mm[inch]

Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa
Maximum System Voltage	1000V/1500V
Maximum Series Fuse Rating	20A
Number of Diodes	3

Packaging

Module Dimensions	2174x1002x40mm
Weight	25.0kg
Pallet Dimensions	2225x1130x1140mm
Container	40' HQ
Pieces per Pallet	27
Pallets per Container	20
Pieces per Container	540
Gross Weight per Pallet	725kg
Gross Weight per Container	14500kg

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

