

## PERC MONO CRYSTALLINE MODULE

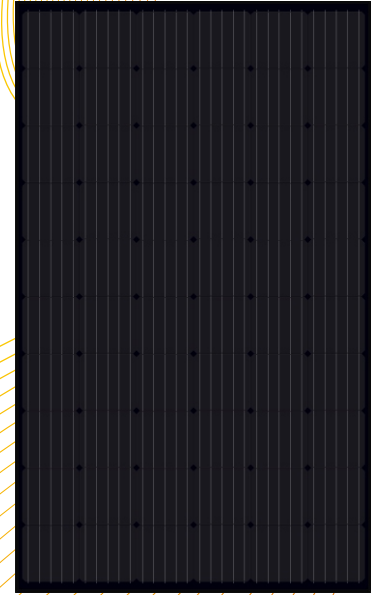
DM310M2-60BB

Wattages:

60 x 6" / 295-310W

295 / 300

305 / 310



### Technology

High module conversion efficiency through superior manufacturing technology



### Performance

High performance under low light conditions (Cloudy days, mornings and evenings)



### Power-Positive Tolerance

Guaranteed power output(0/+3%)



### 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

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## Superior Manufacturing-Quality Assurance



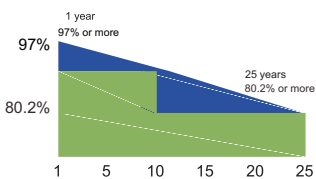
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## Power Output



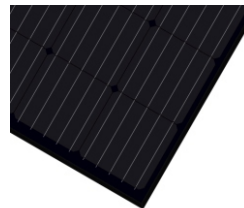
- Our IP68 rated junction box improves module performance and stability
- High-performance connectors provide low resistance interconnection to ensure the full utilization of module output power

## 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



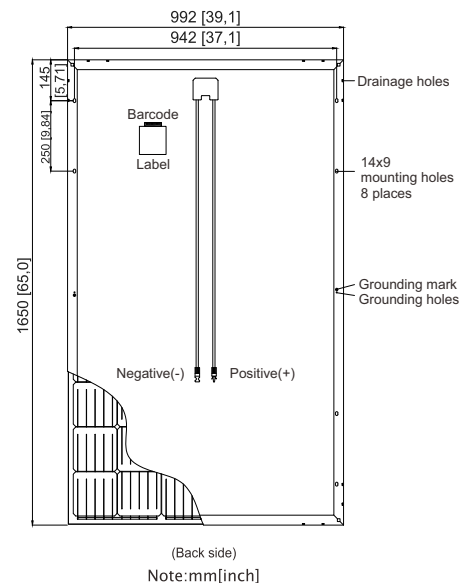
# Electrical Specifications

\* STC irradiance of 1000W/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
DM295M2-60BB	295	0/+3%	9.11	32.40	9.59	39.64	18.02%
DM300M2-60BB	300	0/+3%	9.21	32.61	9.69	39.80	18.33%
DM305M2-60BB	305	0/+3%	9.31	32.82	9.79	40.06	18.63%
DM310M2-60BB	310	0/+3%	9.40	33.02	9.88	40.31	18.94%

## Mechanical Data

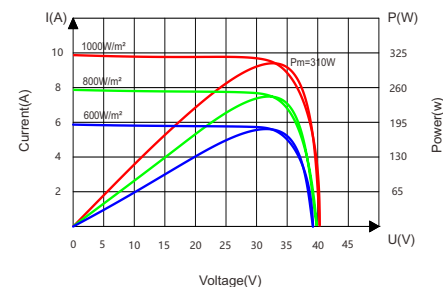
Cell Type	DMPD5B157-210
Cell Arrangement	60(6x10)
Module Structure	Glass/ EVA / Backsheet (black / inside black)
Glass Thickness	3.2mm
Application Class	Class A at IEC 61730
Junction Box	Zhonghuan Sunter PV-ZH011-6
Cables	1000mm/4mm <sup>2</sup>
Connector Type	PV-ZH202/PV-KST4/PV-KBT4
Fire Rating Class	C



## Maximum Ratings

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

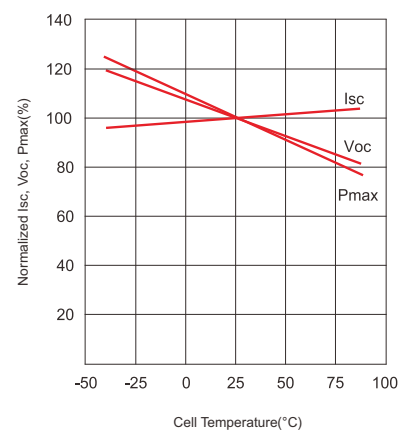
Current-Voltage&Power-Voltage Curve(310W)



## Packaging

Module Dimensions	1650x992x35mm
Weight	18.2kg
Pallet Dimensions	1700x1130x1130mm
Container	40' HQ
Pieces per Pallet	31
Pallets per Container	28
Pieces per Container	868
Gross Weight per Pallet	600kg
Gross Weight per Container	16,800kg

Temperature Dependence of Isc, Voc, Pmax



## Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	45°C±2°C
Temperature Coefficient of Isc	+0.06%/°C
Temperature Coefficient of Voc	-0.300%/°C
Temperature Coefficient of Pmax	-0.390%/°C



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