



DMEGC Quality.Performance. Value.

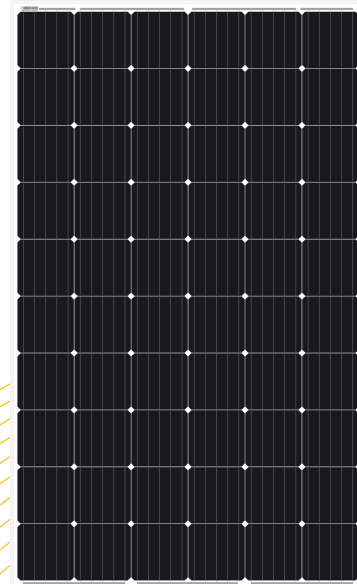
# PERC MONO CRYSTALLINE MODULE OPJ300-LV SMART SERIES

DM305-M156-60S

60 x 6" / 295 - 305W

Wattages:

295 / 300 / 305



**SolarEdge power optimizer OPJ300-LV**  
Module embedded solution



### Safer Installations

Unique Pass-Thru connector for easy module pashing and yield replacement



### Power-Positive Tolerance

Guaranteed power output (0/+3%)



### Up to 25% higher energy yield

Per-module Maximum Power Point Tracking (MPPT)  
Mitigates all types of modules mismatch-loss, from manufacturing tolerance to partial shading



### High module conversion efficiency

Module efficiency up to 18.63% achieved through advanced cell technology and manufacturing capabilities

[www.dmegcsolar.com](http://www.dmegcsolar.com)

## Superior Manufacturing-Quality Assurance



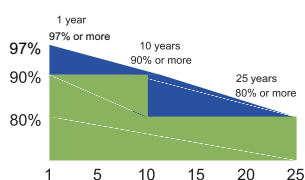
- All modules are manufactured using TQC & SPC quality control systems
- Advanced cell sorting to avoid electric mismatch
- 100% EL Test-before lamination & prior to shipment
- Comprehensive Safety and Reliability tests are performed

## OPJ300-LV Module Embedded Solution



DMEGC Smart Module comes with SolarEdge's Power Optimizer platform which enables a number of smart functions

## 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



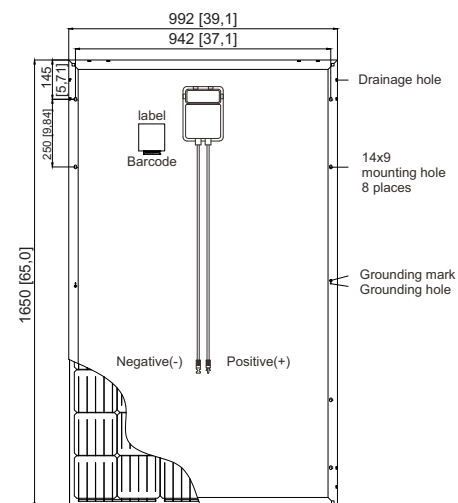
# Electrical Specifications

\* STC irradiance of 1000W/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
DM295-M156-60S	295	0/+3%	9.11	32.40	9.59	39.64	18.02%
DM300-M156-60S	300	0/+3%	9.21	32.61	9.69	39.80	18.33%
DM305-M156-60S	305	0/+3%	9.31	32.82	9.79	40.06	18.63%

## Mechanical Data

Cell Type	DMPD5B157-210
Cell Arrangement	60(6x10)
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 <sup>2</sup>
Connector Type	MC4
Fire Rating Class	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	600V DC(UL) / 1000V DC(IEC)
Maximum Series Fuse Rating	15A
Number of Diodes	3

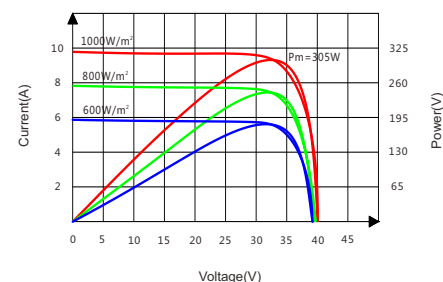
## Packaging

Module Dimensions	1650x992x40mm
Weight	19.5kg
Pallet Dimensions	1700x1130x1130
Container	40' HQ
Pieces per Pallet	26
Pallets per Container	28
Pieces per Container	728
Gross Weight per Pallet	550kg
Gross Weight per Container	15,400kg

## 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

