

## DM300M156-60UB

290 | 295 | 300 Wp

**ULTRA BLACK**; monocrystalline cells; black backsheet; anodised black aluminum frame



### TECHNOLOGY

High module conversion efficiency



### VALUE

Our vertically integrated business model results in competitive pricing



### POWER POSITIVE TOLERANCE

Guaranteed power output 0 - 3 %



### PERFORMANCE

Good performance under low light conditions



### QUALITY

Manufacturing according to international quality and environmental management systems



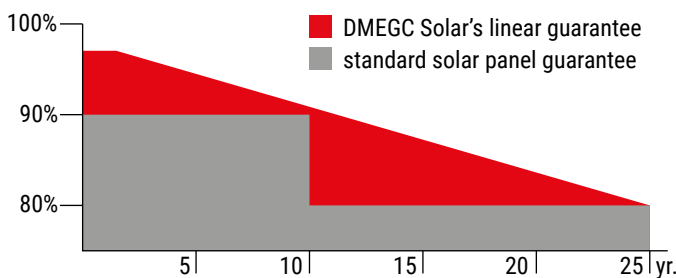
### PID FREE

All DMEGC modules are PID free



### EL TEST

Three times 100% EL Test during production



### WARRANTY

- 25 years warranty of 80% power output
- 10 years warranty of 90% power output
- 10 years manufacturers warranty

### CERTIFICATES AND STANDARDS

IEC 61215, IEC 61730, Conform CE, UL1703



## Electrical specifications

Module	Pm (W)	Tolerance	Imp (A)	Vmp (V)	Isc (A)	Voc (V)	Efficiency
DM290-M156-60UB	290	0 / +3 %	9.01	32.19	9.49	39.48	17.72 %
DM295-M156-60UB	295	0 / +3 %	9.11	32.40	9.59	39.64	18.02 %
DM300-M156-60UB	300	0 / +3 %	9.21	32.61	9.69	39.80	18.33 %

## Mechanical data

cell type	DMPD5B157-210
cell arangement	6 x 10
module structure	glass / EVA / backsheet
glass thickness	3.2 mm
application class	class A at IEC 61730
junction box rating	IP67
cables	1000 mm   4 mm <sup>2</sup>
connector type	MC4 compatible
fire rating class	class A

## Maximum ratings

operating temperature	-40 °C to +85 °C
maximum snow load capacity	5400 Pa
maximum wind load capacity	2400 Pa
maximum system voltage	600V DC(UL) / 1000V DC (IEC)
maximum series fuse rating	15 A
number of diodes	3

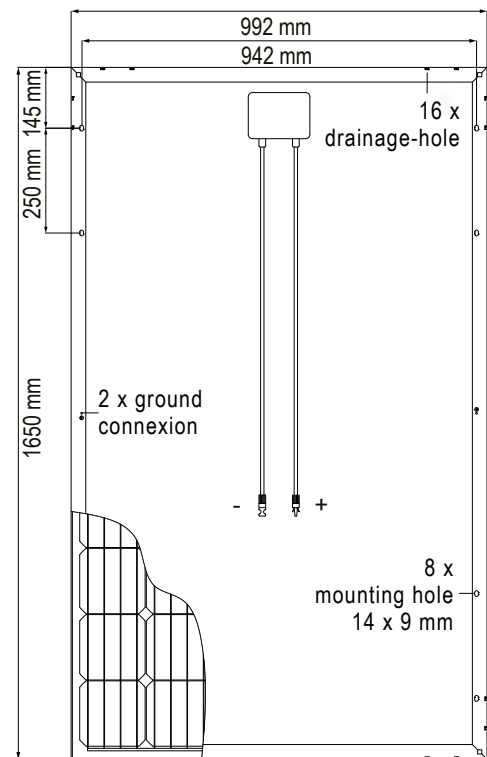
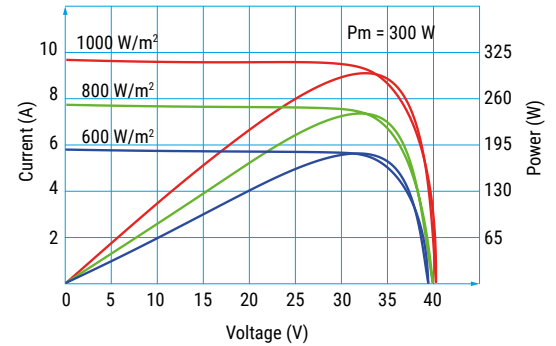
## Temperature characteristics

nominal operating temperature	45 °C +/- 2 °C (NOCT)
temperature coefficient of Isc	+ 0.060 % / °C
temperature coefficient of Voc	- 0.300 % / °C
temperature coefficient of Pmax	- 0.390 % / °C

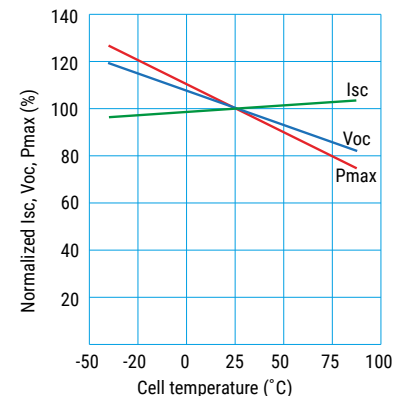
## Packaging

module dimensions (mm)	1650 x 992 x 40	1650 x 992 x 35
weight	19 kg	18.2 kg
pallet dimensions (mm)	1700 x 1130 x 1130	1700x1130x1130
container	40' HQ	40' HQ
pieces per pallet	26	29
pallets per container	28	28
pieces per container	728	812
gross weight per pallet	535 kg	570 kg
gross weight per container	14980 kg	15960 kg

## Current-voltage & Power-voltage curve (300W)



## Temperature dependence of Isc, Voc, Pmax



# DMEGC