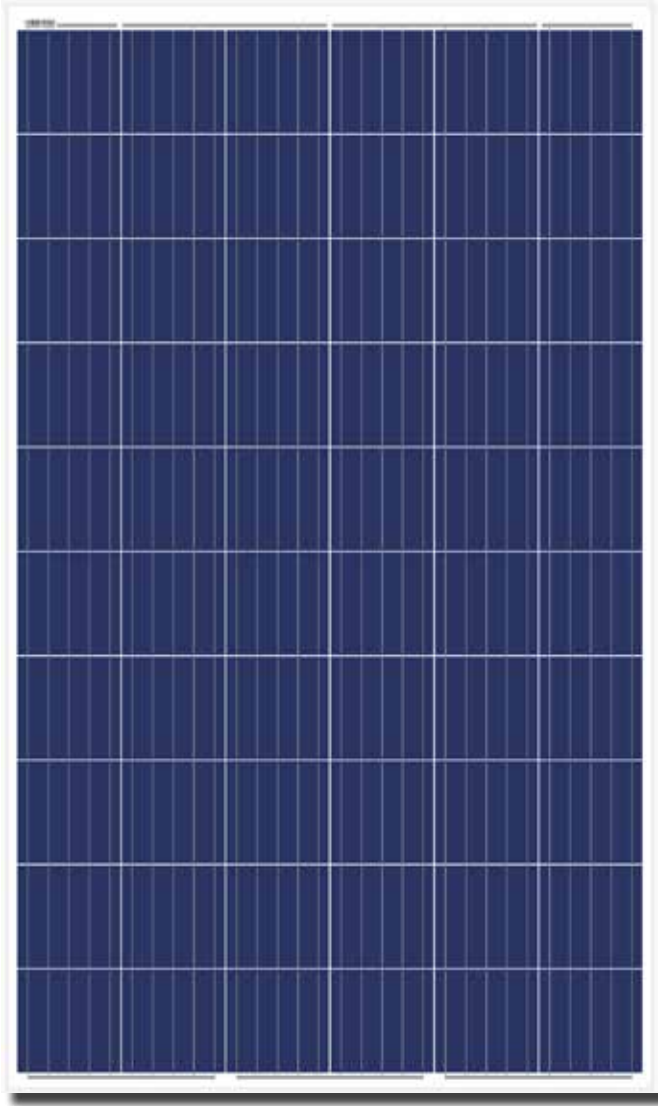


## DM285-P156-60

275 | 280 | 285 Wp

polykrystalline cells, white backsheet, anodized 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



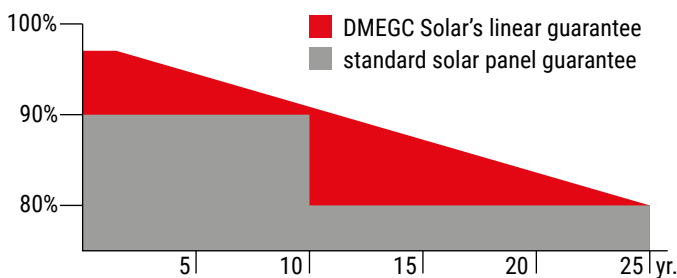
### VOLTAGE RESISTANCE

The module can withstand 1500 V system voltage



### 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	P <sub>m</sub> (W)	Tolerance	I <sub>mp</sub> (A)	V <sub>mp</sub> (V)	I <sub>sc</sub> (A)	V <sub>oc</sub> (V)	Efficiency
DM270-P156-60	270	0 / +3 %	8.74	30.89	9.21	38.41	16.50 %
DM275-P156-60	275	0 / +3 %	8.85	31.08	9.30	38.59	16.80 %
DM280-P156-60	280	0 / +3 %	8.96	31.27	9.39	38.77	17.11 %

## Mechanical data

cell type	DMTP5B157x157
cell arrangement	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

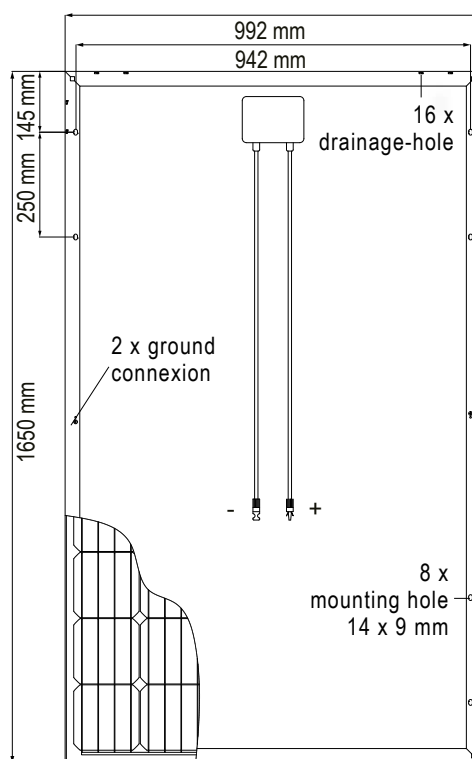
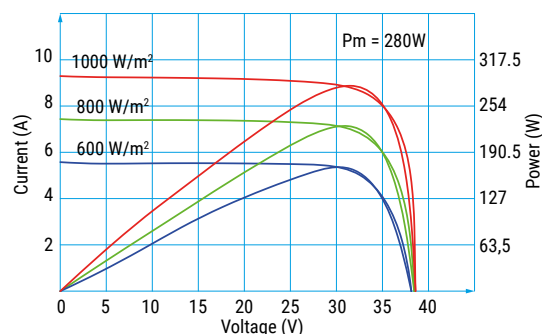
nominal operating temperature	45 °C +/- 2 °C (NOCT)
temperature coefficient of I <sub>sc</sub>	+ 0.057 % / °C
temperature coefficient of V <sub>oc</sub>	- 0.308 % / °C
temperature coefficient of P <sub>max</sub>	- 0.406 % / °C

## Packaging

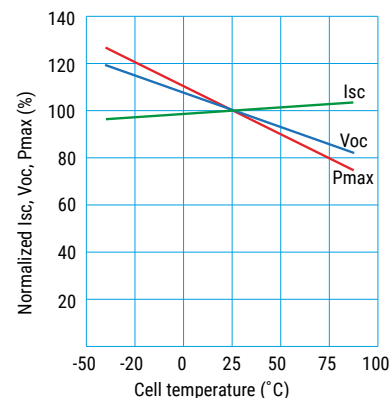
module dimensions (mm)	1650 x 992 x 35
weight	18.2 kg
pallet dimensions (mm)	1700 x 1130 x 1130
container	40' HQ
pieces per pallet	31
pallets per container	28
pieces per container	868
gross weight per pallet	600 kg
gross weight per container	16800 kg

Declaration: Due to continuous technology innovation, the above indicated parameters are subject to change without prior announcement. Upon contract/ order confirmation, our company's latest data shall be the final version.

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



## Temperature dependence of I<sub>sc</sub>, V<sub>oc</sub>, P<sub>max</sub>



# DMEGC

S O L A R