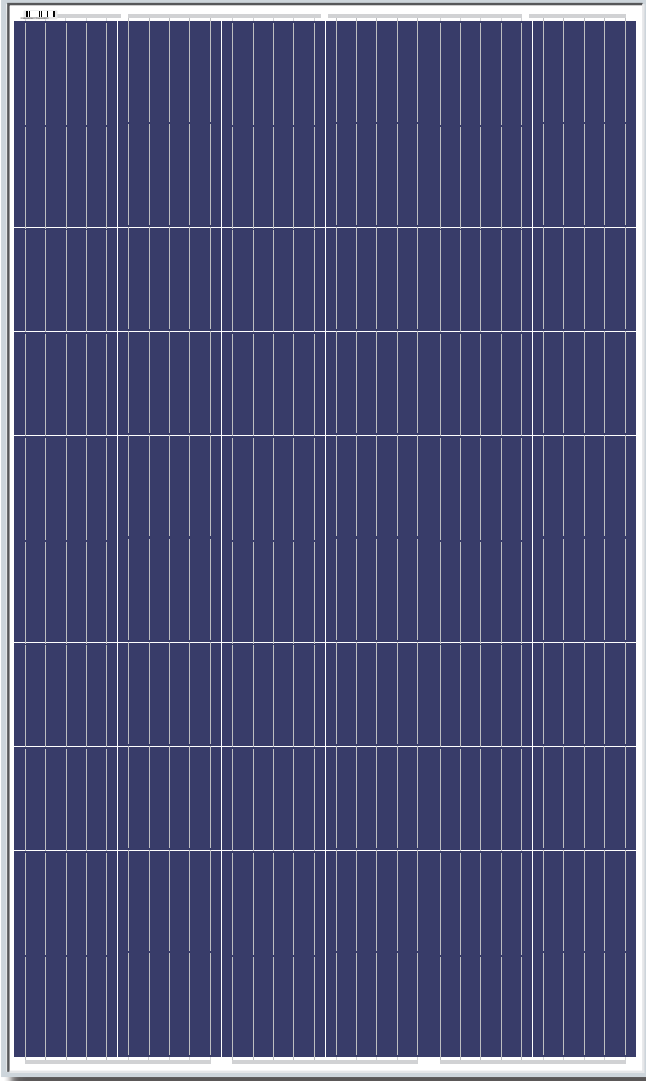


DM280-P156-60

270 | 275 | 280 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



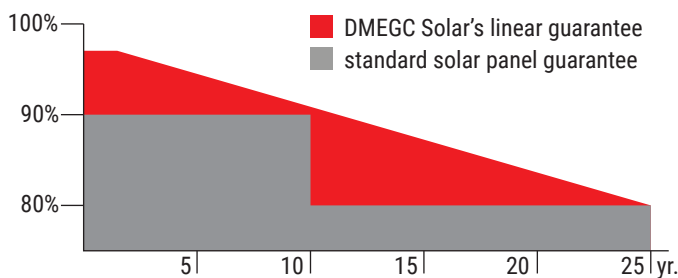
VOLTAGE RESISTANCE

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 _m (W)	Tolerance	I _{mp} (A)	V _{mp} (V)	I _{sc} (A)	V _{oc} (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	IP68
cables	1000 mm 4 mm ²
connector type	MC4 compatible
fire rating class	class C

Maximum ratings

operating temperature	-40 °C to +85 °C
maximum snow load capacity	5400 Pa
maximum wind load capacity	2400 Pa
maximum system voltage	1500V DC (IEC)
maximum series fuse rating	20 A
number of diodes	3

Temperature characteristics

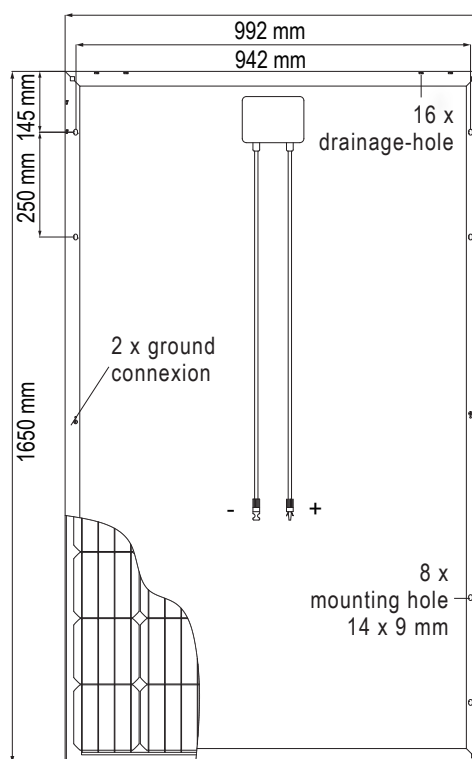
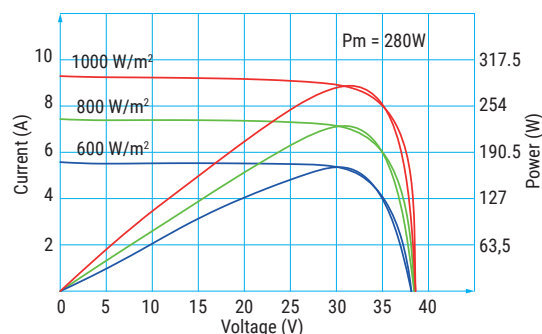
nominal operating temperature	45 °C +/- 2 °C (NOCT)
temperature coefficient of I _{sc}	+ 0.057 % / °C
temperature coefficient of V _{oc}	- 0.308 % / °C
temperature coefficient of P _{max}	- 0.406 % / °C

Packaging

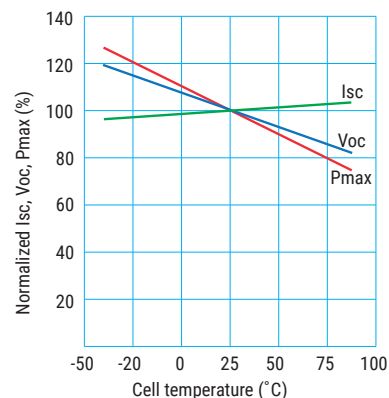
module dimensions (mm)	1650 x 992 x 35
weight	18.2 kg
pallet dimensions (mm)	1700 x 1130 x 1130
container	40' HQ
pieces per pallet	31
pallets per container	28
pieces per container	868
gross weight per pallet	600 kg
gross weight per container	16800 kg

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



Temperature dependence of I_{sc}, V_{oc}, P_{max}



DMEGC