

DMG300M6-60BT

290 | 295 | 300 Wp

Double glass, PERC monocrystalline cells, transparent backsheet, black 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



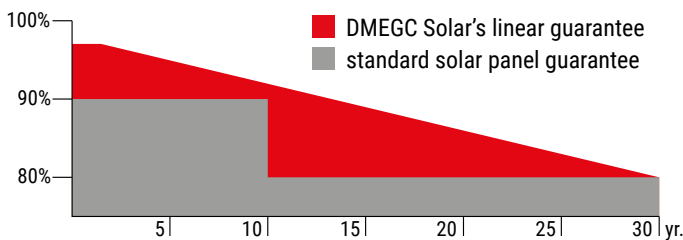
VOLTAGE RESISTANCE

The module can withstand 1500 V system voltage



EL TEST

Three times 100% EL Test during production



WARRANTY

- 30 years warranty of 80% power output
- 10 years warranty of 90% power output
- 15 years manufacturers warranty

CERTIFICATES AND STANDARDS

IEC 61215, IEC 61730, Conform CE, UL1703



Electrical specifications

| Module | Pm (W) | Tolérance | Imp (A) | Vmp (V) | Isc (A) | Voc (V) | Efficiency |
|---------------|--------|-----------|---------|---------|---------|---------|------------|
| DMG290M6-60BT | 290 | 0 / +3 % | 9.01 | 32.19 | 9.49 | 39.48 | 17.46 % |
| DMG295M6-60BT | 295 | 0 / +3 % | 9.11 | 32.40 | 9.59 | 39.64 | 17.76 % |
| DMG300M6-60BT | 300 | 0 / +3 % | 9.21 | 32.61 | 9.69 | 39.80 | 18.06 % |

Mechanical data

| | |
|---------------------|-----------------------------|
| cell type | DMPD5B157-210 |
| cell arangement | 6 x 10 |
| module structure | glass / EVA / glass |
| glass thickness | front: 2 mm / back: 2mm |
| application class | class A at IEC 61730 |
| junction box rating | IP67 |
| cables | 1000 mm 4 mm ² |
| 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 | 1500V DC (IEC) |
| maximum series fuse rating | 15 A |
| number of diodes | 3 |
| number of busbars | |

Temperature characteristics

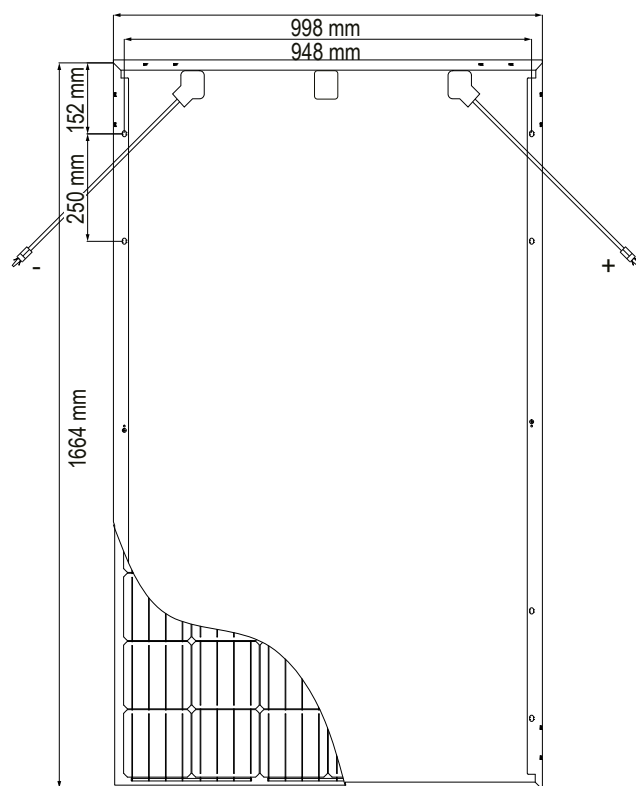
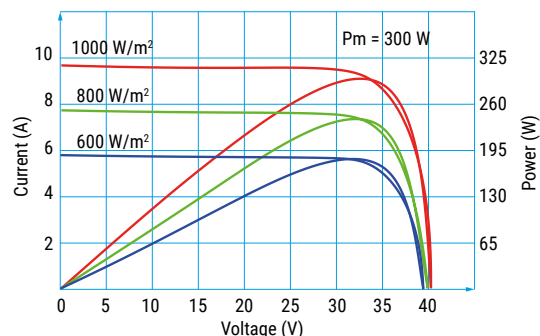
| | |
|---------------------------------|-----------------------|
| nominal operating temperature | 45 °C +/- 2 °C (NOCT) |
| temperature coefficient of Isc | + 0.060 % / °C |
| temperature coefficient of Voc | - 0.300 % / °C |
| temperature coefficient of Pmax | - 0.390 % / °C |

Packaging

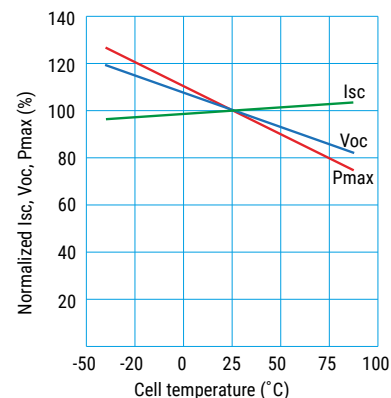
| | |
|----------------------------|--------------------|
| module dimensions (mm) | 1664 x 998 x 40 |
| weight | 22.5 kg |
| pallet dimensions (mm) | 1715 x 1130 x 1135 |
| container | 40' HQ |
| pieces per pallet | 27 |
| pallets per container | 28 |
| pieces per container | 756 |
| gross weight per pallet | 645 kg |
| gross weight per container | 18060 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 Isc, Voc, Pmax



DMEGC

S O L A R