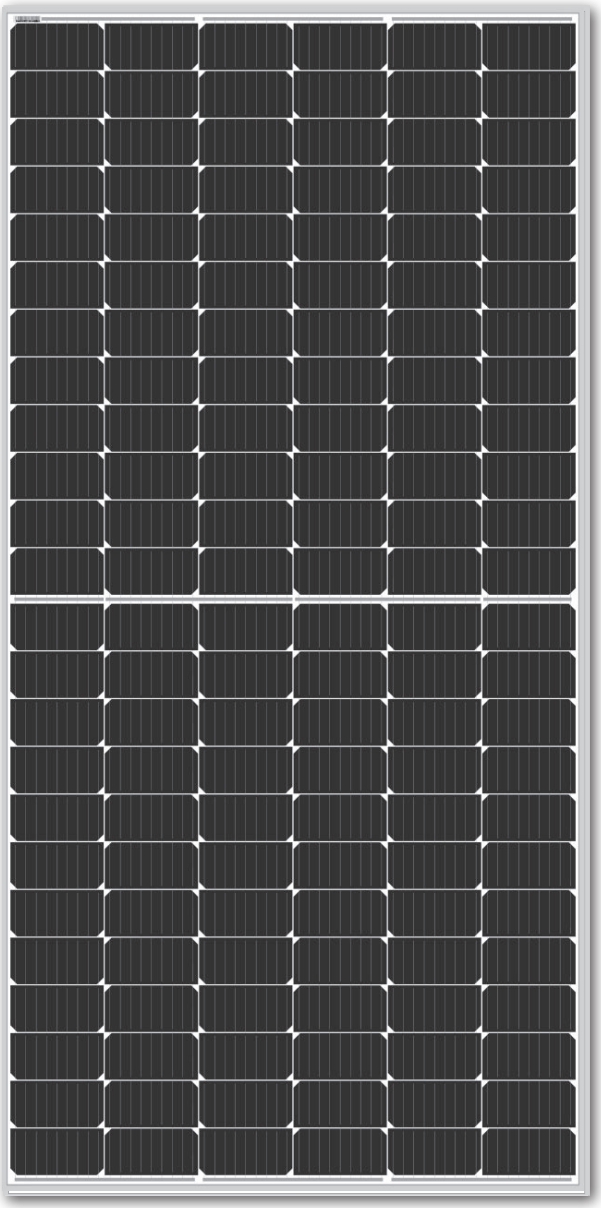
DMEGC
SOLAR

DM450M6-72HSW

440 | 445 | 450 Wp

half cut monocrystalline cells, white backsheet, anodised 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 %

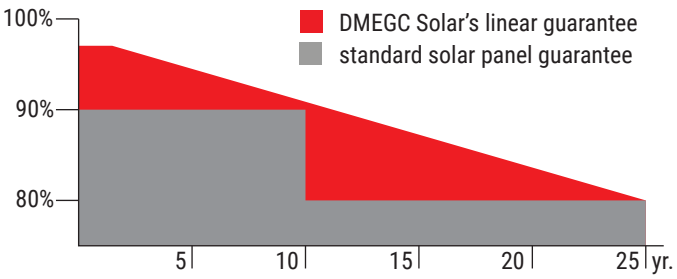
PERFORMANCE
Good performance under low light conditions

QUALITY
Manufacturing according to international quality and environmental management systems

HALF CELL TECHNOLOGY
Reduces power loss

PID FREE
According to IEC TS 62804-1 standards

EL TEST
Two times 100% EL test during production



WARRANTY
- 25 years warranty of 80.2% power output
- 12 years manufacturers warranty

Electrical specifications

Module	Pm (W)	Tolerance	Imp (A)	Vmp (V)	Isc (A)	Voc (V)	Efficiency
DM440M6-72HSW	440	0 - 3 %	10.84	40.60	11.26	49.97	19.78 %
DM445M6-72HSW	445	0 - 3 %	10.92	40.77	11.35	50.12	20.00 %
DM450M6-72HSW	450	0 - 3 %	11.01	40.91	11.43	50.27	20.22 %

Mechanical data

cell type	DMPD9B166-223 (½)
cell arrangement	6 x 24
module structure	glass / EVA / cells / EVA / backsheet
glass thickness	3.2 mm
application class	A at IEC 61730
junction box rating	IP67 / IP68
cables	1300 mm / 4 mm²
conector type	MC4 / MC4 compatible
fire class rating	C

Maximum ratings

operational temperature	-40 ˚C to +85 ˚C
max. snow load	5400 Pa
max. wind load	2400 Pa
max. system voltage	1000 / 1500V DC (IEC)
max. series fuse rating	20 A
diodes	3

Temperature characteristics

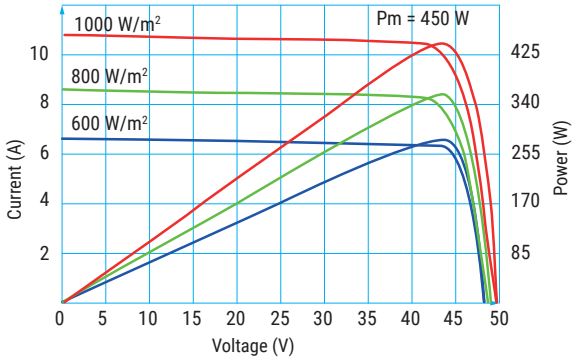
nominal operating temperature	42 ˚C ± 3 ˚C (NMOT)
temperature coefficient of Isc	+ 0.038 % / ˚C
temperature coefficient of Voc	– 0.270 % / ˚C
temperature coefficient of Pmax	– 0.365 % / ˚C

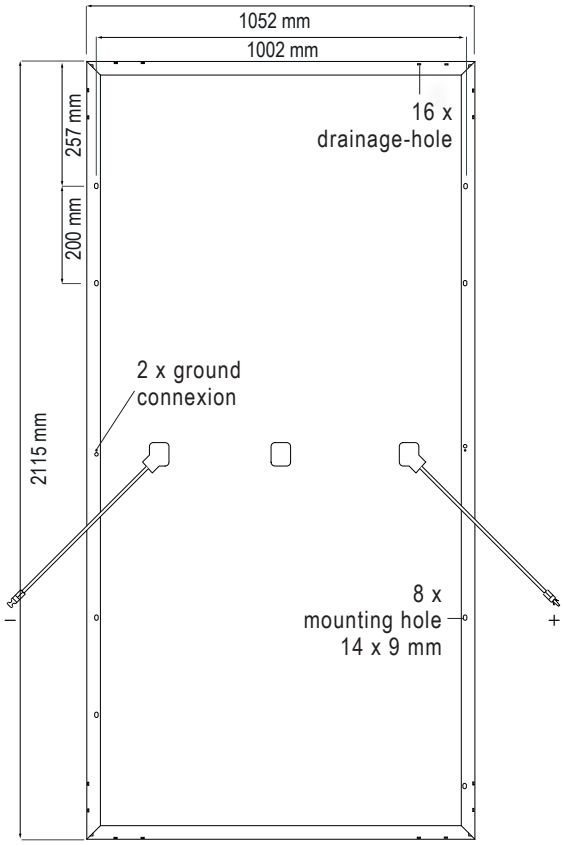
Packaging

module dimensions	2115 x 1052 x 40
weight	24.5 kg
pallet dimensions	2165 x 1130 x 1190
container	40' HQ
pieces per pallet	27
pallets per container	22
modules per container	594
gross weight per pallet	705 kg
gross weight per container	15510 kg

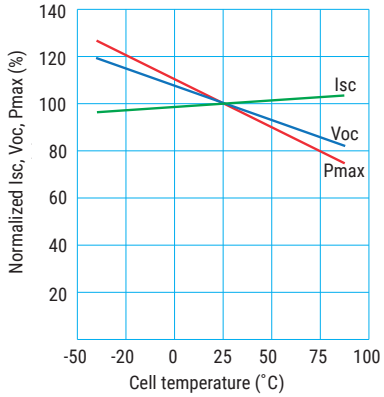
Declaration: Due to continuous technology innovation, the above indicated parameters are subject to change without prior announcement. Upon contract/ order confirmation, our company 's latest data shall be the final version.

Current - voltage & power voltage curves





Temperature dependence of Isc, Voc, Pmax



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