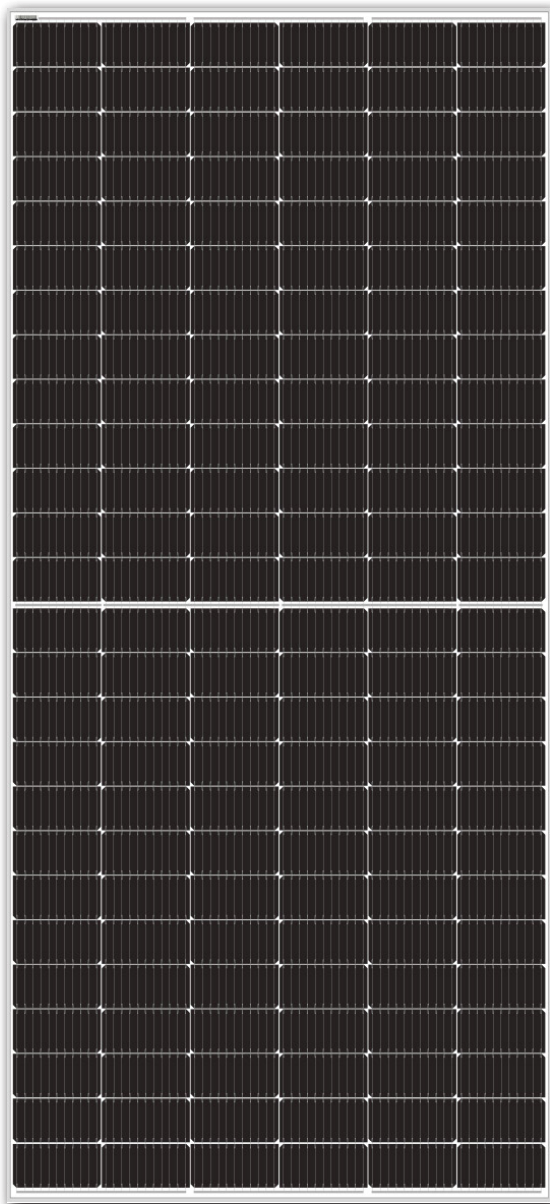


DM590M10-B78HSW

580 | 585 | 590 Wp

double glass; bifacial; 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



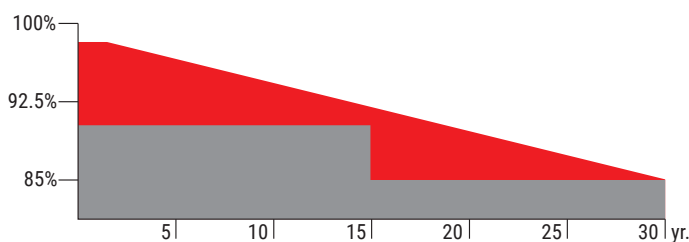
HALF CELL TECHNOLOGY

Reduces power loss



PID FREE

According to IEC TS 62804-1 standards



WARRANTY

- 30 years warranty of 85% power output
- 15 years manufacturers warranty

■ DMEGC Solar's linear guarantee
■ standard solar panel guarantee



CHUBB



Tier 1



Electrical specifications

Module	P _m (W)	P _m + 10%*	P _m + 20%*	P _m + 30%*	Toleran-	I _{mp} (A)	V _{mp} (V)	I _{sc} (A)	V _{oc} (V)	Efficiency
DM580M10-B78HSW	580	638	696	754	0 - 3 %	13.17	44.07	13.60	53.78	20.75 %
DM585M10-B78HSW	585	643.5	702	708	0 - 3 %	13.24	44.21	13.67	53.92	20.93 %
DM590M10-B78HSW	590	649	708	767	0 - 3 %	13.31	44.36	13.73	54.06	21.11 %

*) examples of bifacial gain, dependent of installation and surrounding surfaces

STC irradiance of 1000W/m² spectrum AM 1.5 and cell temperature of 25°

Mechanical data

cell type	P type mono crystalline
cell arrangement	6 x 26
module structure	glass / glass
glass thickness	2 x 2 mm / 2 x 2.5 mm
PV module classification	class II
junction box rating	IP68
cables	4 mm ² 1400 mm*
connector type	MC4 / MC4 Compatible
fire class rating	C (2 mm glass) / A (2.5 mm glass)

* optional customized length

Maximum ratings

operational temperature	-40 °C to +85 °C
max. snow load	5400 Pa
max. wind load	2400 Pa
max. system voltage	1500V DC (IEC)
max. series fuse rating	30 A
diodes	3

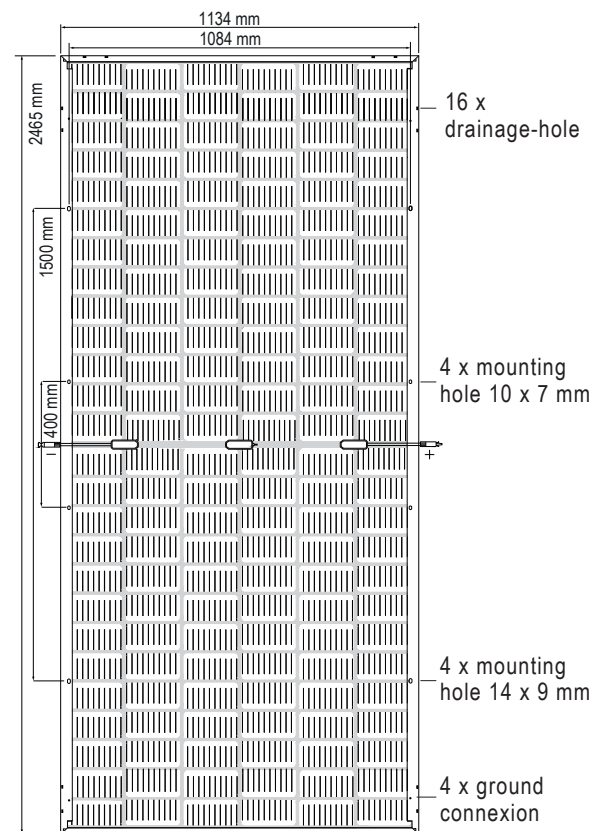
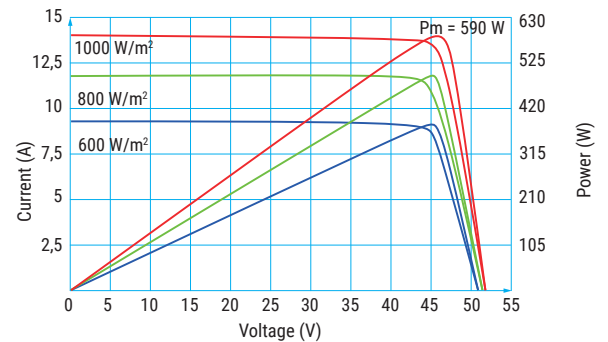
Temperature characteristics

temperature coefficient of I _{sc}	+ 0.0448 % / °C
temperature coefficient of V _{oc}	- 0.246 % / °C
temperature coefficient of P _{max}	- 0.330 % / °C

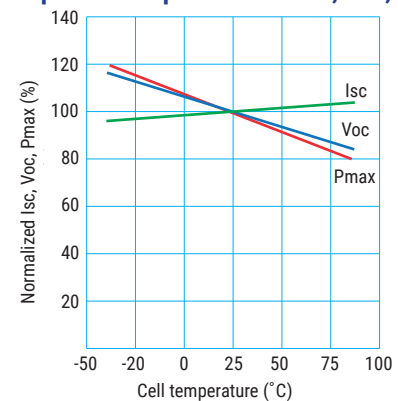
Packaging

module dimensions	2465 x 1134 x 35
weight	35.6 kg (2 mm) / 42.6 kg (2.5 mm)
container	40' HQ
pieces per pallet	31
modules per container	496

Current - voltage & power voltage curves



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



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.