



575 / 580 / 585 / 590

DM590M10-B78HSW



Performance

Lower LCOE, reduced BOS cost, short payback time



Quality

Over 40 years of manufacturing experience in house wafer, cell and module



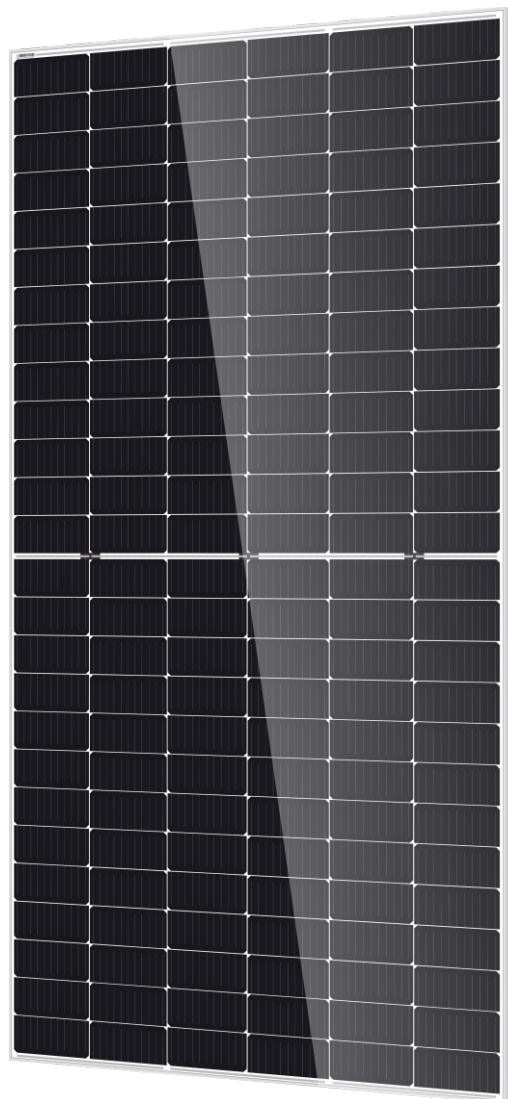
Guarantee

Warranty comes from one of the most financial healthy PV providers

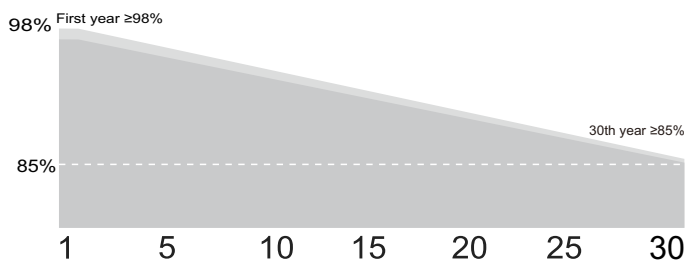


Service

Customer-oriented and local services



Warranty



15 Years product warranty

30 Years power output warranty

A Member of the Hengdian Group

Ver:20220617A0

Electrical Specifications

Module Type	DM575M10-B78HSW		DM580M10-B78HSW		DM585M10-B78HSW		DM590M10-B78HSW	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Pm(W)	575	462	580	466	585	470	590	474
Imp(A)	13.10	10.54	13.17	10.59	13.24	10.65	13.31	10.71
Vmp(V)	43.93	43.83	44.07	43.97	44.21	44.11	44.36	44.26
Isc(A)	13.54	10.78	13.60	10.83	13.67	10.88	13.73	10.93
Voc(V)	53.65	53.18	53.78	53.31	53.92	53.45	54.06	53.59
Module Efficiency	20.57%		20.75%		20.93%		21.11%	
Pm Tolerance 0/+3% Bifaciality:70%±10% STC:AM1.5 1000W/m ² 25°C NOCT:AM1.5 800W/m ² 20°C 1m/s Measurement uncertainty:±3%								

Bifacial Gain

10%	Pm(STC)	633W	638W	644W	649W
20%	Pm(STC)	690W	696W	702W	708W
30%	Pm(STC)	748W	754W	761W	767W

Mechanical Data

Cell Type	P type Mono-crystalline
Cell Arrangement	156(6x26)
Module Dimensions	2465x1134x35mm
Weight	35.6kg
Module Structure	Glass/Encapsulant/Glass
Glass Thickness	2.0mm+2.0mm
PV module classification	Class II
Junction Box Rating	IP67/IP68
Cables	4mm ² /1400mm or Customized Length
Connector Type	MC4/MC4 Compatible(1000V) EVO2/EVO2 Compatible(1500V)

Packaging

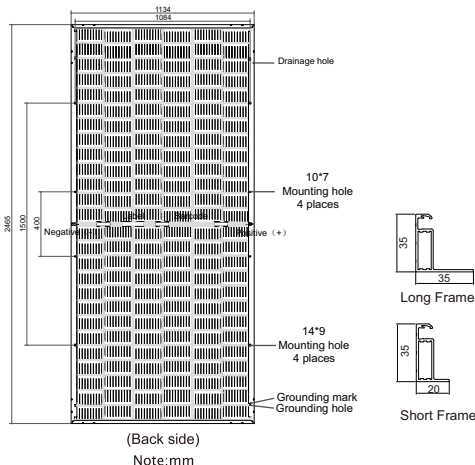
Pallet dimensions	2515×1140×1250mm
Container	40'HQ
Pieces per Pallet	31
Pieces per Container	496

Temperature Characteristics

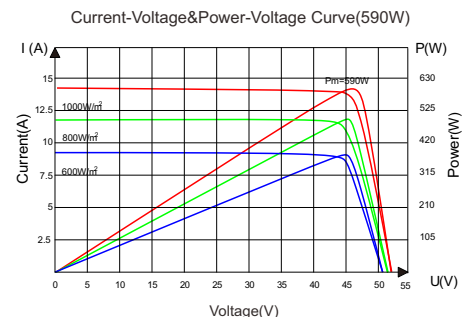
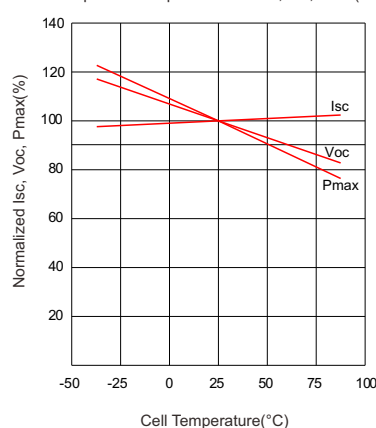
Nominal Operating Cell Temperature(NOCT)	42±3°C
Temperature Coefficient of Isc	+0.0448%/°C
Temperature Coefficient of Voc	-0.246%/°C
Temperature Coefficient of Pmax	-0.330%/°C

Maximum Ratings

Operating Temperature	-40°C to+85°C	Maximum Series Fuse Rating	30A
Maximum Load Capacity	Snow 5400Pa/Wind 2400Pa	Number of Diodes	3
Maximum System Voltage	1000V/1500V DC(IEC)	Fire Rating Class	Class C



Temperature Dependence of Isc,Voc,Pmax(°C)



Statement: Due to technological progress, product parameters will be adjusted accordingly; When signing the contract, the latest data of the company shall prevail.