



Best Choice for  
Utility



# 580 / 585 / 590 / 595

## DM595M10-78HSW/-V



### Performance

Lower LCOE, reduced BOS cost, short payback time



### Quality

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



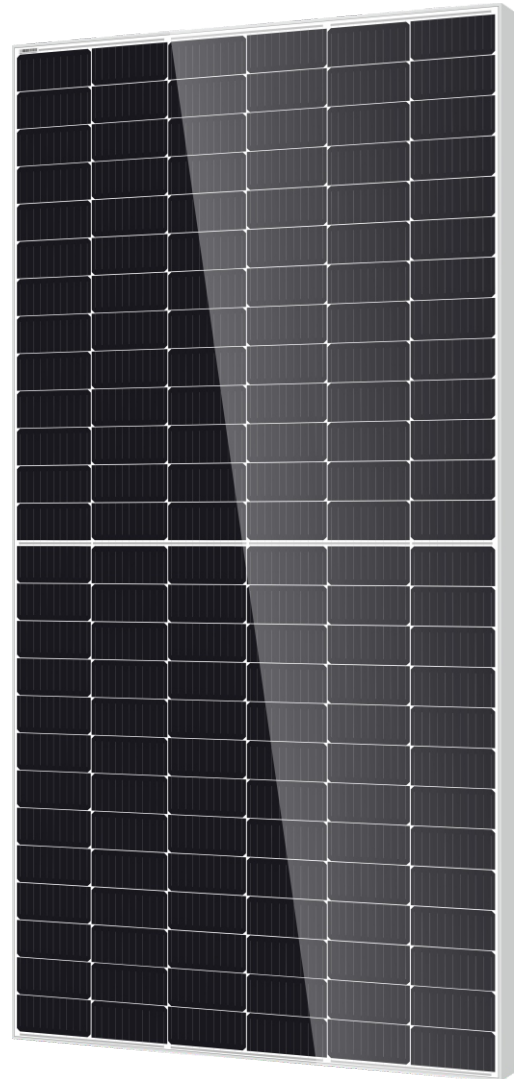
### Guarantee

Warranty comes from one of the most financial healthy PV providers

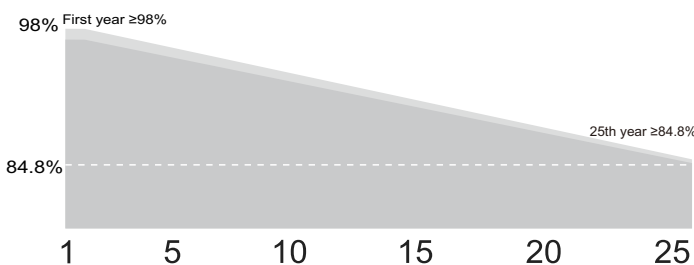


### Service

Customer-oriented and local services



### Warranty



**12** Years product warranty

**25** Years power output warranty

A Member of the Hengdian Group

Ver:20220617A0

## Electrical Specifications

Module Type	DM580M10-78HSW/-V		DM585M10-78HSW/-V		DM590M10-78HSW/-V		DM595M10-78HSW/-V	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Pm(W)	580	466	585	470	590	474	595	478
Imp(A)	13.17	10.59	13.24	10.65	13.31	10.71	13.38	10.76
Vmp(V)	44.07	43.97	44.21	44.11	44.36	44.26	44.50	44.40
Isc(A)	13.60	10.83	13.67	10.88	13.73	10.93	13.80	10.99
Voc(V)	53.78	53.31	53.92	53.45	54.06	53.59	54.20	53.73
Module Efficiency	20.75%		20.93%		21.11%		21.29%	

Pm Tolerance 0/+3% STC:AM1.5 1000W/m<sup>2</sup> 25°C NOCT:AM1.5 800W/m<sup>2</sup> 20°C 1m/s Measurement uncertainty:±3%

## Mechanical Data

Cell Type	P type Mono-crystalline
Cell Arrangement	156(6x26)
Module Dimensions	2465x1134x35mm
Weight	31.2kg
Module Structure	Glass/Encapsulant/Backsheet
Glass Thickness	3.2mm
PV module classification	Class II
Junction Box Rating	IP67/IP68
Cables	4mm <sup>2</sup> /1400mm or Customized Length
Connector Type	MC4/MC4 Compatible(1000V) EVO2/EVO2 Compatible(1500V)

## Packaging

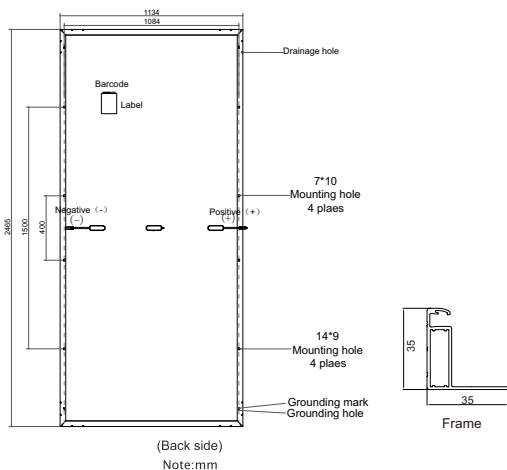
Pallet dimensions	2515×1140×1250mm
Container	40'HQ
Pieces per Pallet	31
Pieces per Container	496

## Temperature Characteristics

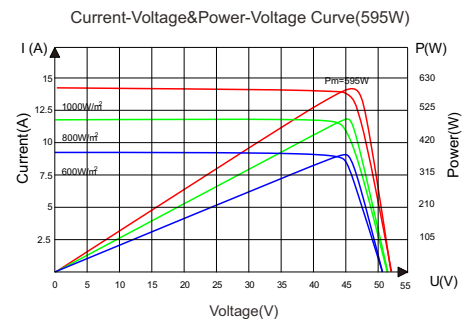
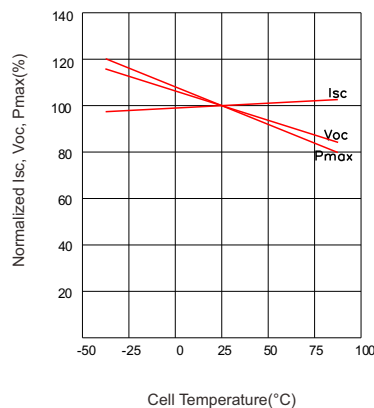
Nominal Operating Cell Temperature(NOCT)	42±3°C
Temperature Coefficient of Isc	+0.0448%/°C
Temperature Coefficient of Voc	-0.246%/°C
Temperature Coefficient of Pmax	-0.330%/°C

## Maximum Ratings

Operating Temperature	-40°C to+85°C	Maximum Series Fuse Rating	25A
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.