



Residential / Commercial / Utility



490 / 495 / 500 / 505

DM505M10-66HSW/-V



Adaptability

Best size and excellent performance for various application scenarios



Quality

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



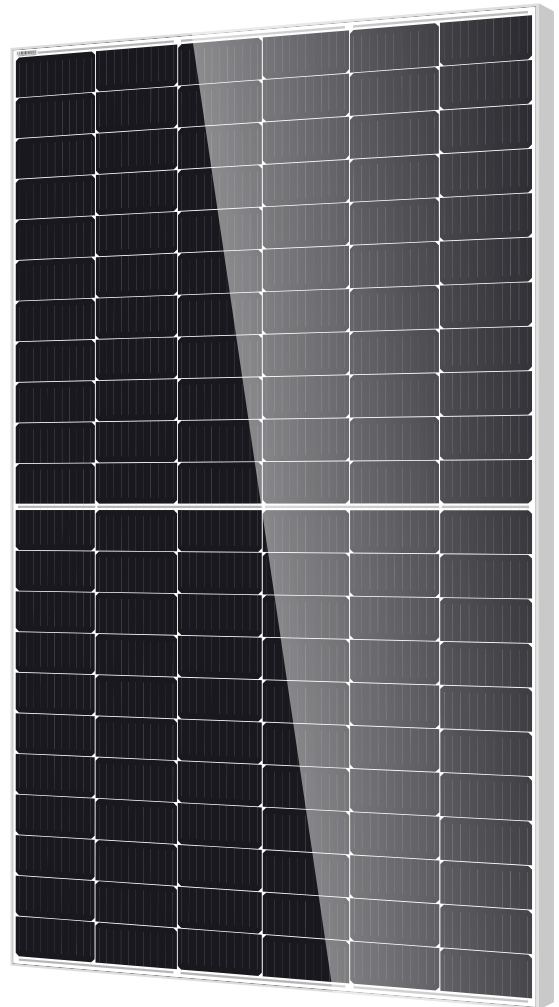
Guarantee

Warranty comes from one of the most financial healthy PV providers

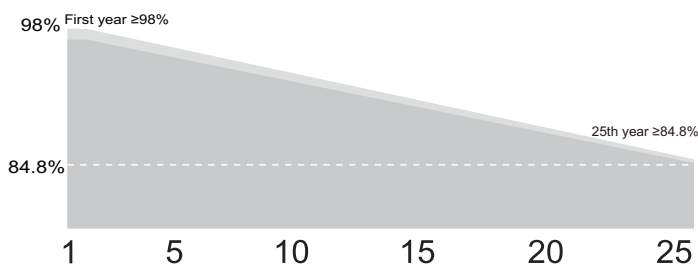


Service

Customer-oriented and local services



Warranty



12 Years product warranty

25 Years power output warranty

A Member of the Hengdian Group 

Ver:20220615A0

Electrical Specifications

Module Type	DM490M10-66HSW/-V		DM495M10-66HSW/-V		DM500M10-66HSW/-V		DM505M10-66HSW/-V	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Pm(W)	490	394	495	398	500	402	505	406
Imp(A)	13.21	10.62	13.28	10.68	13.35	10.74	13.43	10.80
Vmp(V)	37.13	37.05	37.30	37.22	37.47	37.39	37.63	37.55
Isc(A)	13.61	10.83	13.68	10.89	13.75	10.95	13.83	11.01
Voc(V)	45.50	45.10	45.62	45.22	45.74	45.34	45.86	45.46
Module Efficiency	20.64%		20.85%		21.06%		21.27%	

Pm Tolerance 0/+3% STC:AM1.5 1000W/m² 25°C NOCT:AM1.5 800W/m² 20°C 1m/s Measurement uncertainty:±3%

Mechanical Data

Cell Type	P type Mono-crystalline
Cell Arrangement	132(6x22)
Module Dimensions	2094x1134x35mm
Weight	26. 6kg
Module Structure	Glass/Encapsulant/Backsheet
Glass Thickness	3.2mm
PV module classification	Class II
Junction Box Rating	IP67/IP68
Cables	4mm ² /1300mm or Customized Length
Connector Type	MC4/MC4 Compatible(1000V) EVO2/EVO2 Compatible(1500V)

Packaging

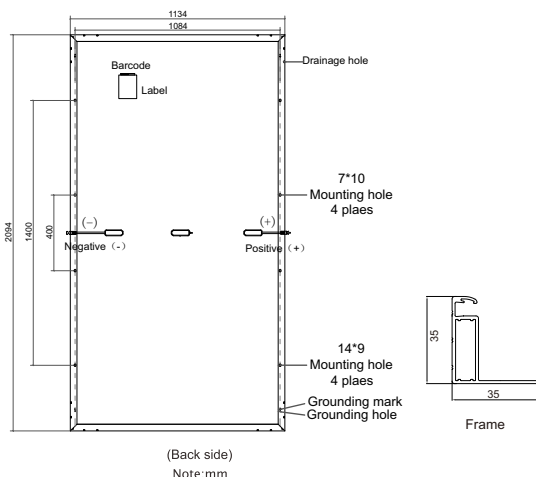
Pallet dimensions	2145×1140×1250mm
Container	40'HQ
Pieces per Pallet	31
Pieces per Container	682

Temperature Characteristics

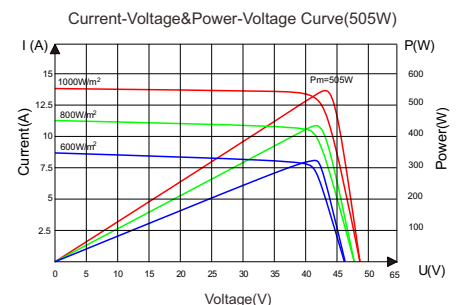
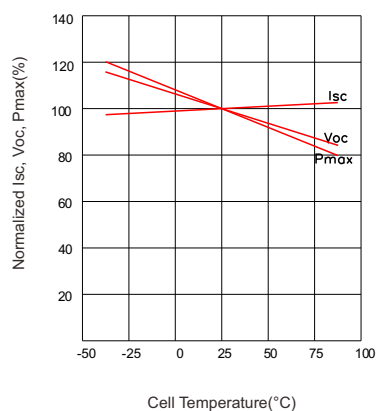
Nominal Operating Cell Temperature(NOCT)	42±3°C
Temperature Coefficient of Isc	+0.0448%/°C
Temperature Coefficient of Voc	-0.246%/°C
Temperature Coefficient of Pmax	-0.330%/°C

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.