



Residential / Commercial / Utility



BIFACIAL MODULE WITH DUAL GLASS

490 / 495 / 500 / 505

DM490M10-B66HSW/HBW

DM495M10-B66HSW/HBW

DM500M10-B66HSW/HBW

DM505M10-B66HSW/HBW



Adaptability

Best size and excellent performance for various application scenarios



Quality

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



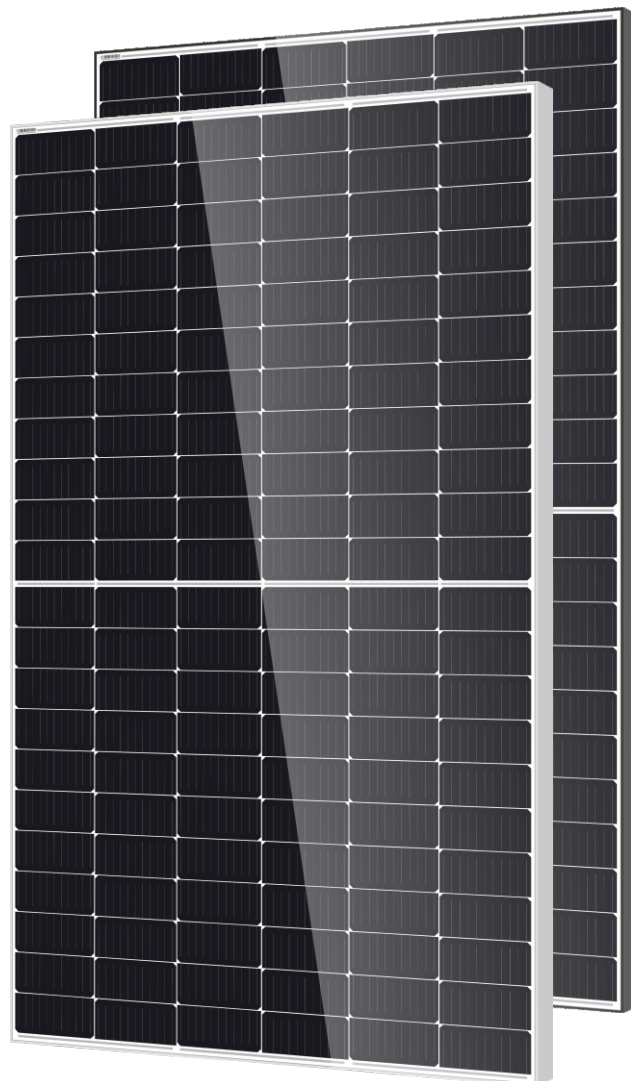
Guarantee

Warranty comes from one of the most financially healthy PV providers

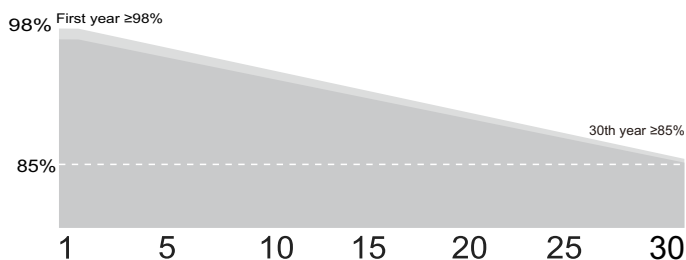


Service

Customer-oriented and local services



Warranty



15 Years product warranty

30 Years power output warranty

A Member of the Hengdian Group



Ver:20221103A3

Electrical Specifications

Module Type	DM490M10-B66HSW/HBW		DM495M10-B66HSW/HBW		DM500M10-B66HSW/HBW		DM505M10-B66HSW/HBW	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	490	371	495	375	500	379	505	383
Maximum Power Current (Imp/A)	13.06	10.39	13.14	10.46	13.22	10.52	13.29	10.58
Maximum Power Voltage (Vmp/V)	37.52	35.75	37.68	35.90	37.84	36.05	38.01	36.21
Short-circuit Current (Isc/A)	13.91	11.26	13.99	11.33	14.07	11.39	14.14	11.45
Open-circuit Voltage (Voc/V)	45.32	42.91	45.46	43.04	45.60	43.17	45.73	43.30
Module Efficiency STC (%)	20.64%		20.85%		21.06%		21.27%	
Pmax Tolerance 0/+3% Bifaciality:70%±10% STC:AM1.5 1000W/m² 25℃ NOCT:AM1.5 800W/m² 20℃ 1m/s Measurement uncertainty:±3%								

Bifacial Gain

10%	Pmax(STC)	539W	545W	550W	556W
20%	Pmax(STC)	588W	594W	600W	606W
30%	Pmax(STC)	637W	644W	650W	657W

Mechanical Data

Cell Type	P type Mono-crystalline
Cell Arrangement	132(6x22)
Module Dimensions	2094x1134x35mm
Weight	30.2kg
Module Structure	Glass/Encapsulant/Glass
Glass Thickness	2.0mm+2.0mm
PV Module Classification	Class II
Junction Box Rating	IP68
Cables	4mm ² /1300mm or Customized Length
Connector Type	PV-ZH202B or MC4-EVO 2A (1500V)

Packaging

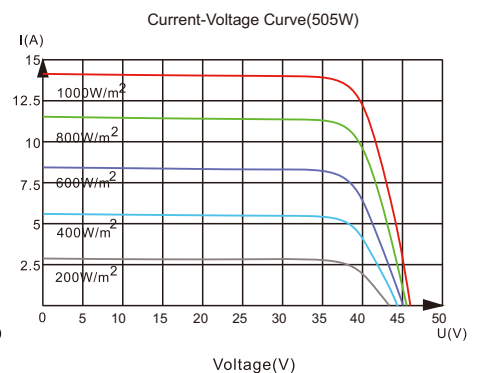
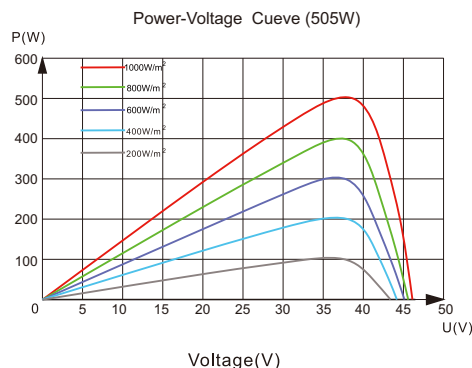
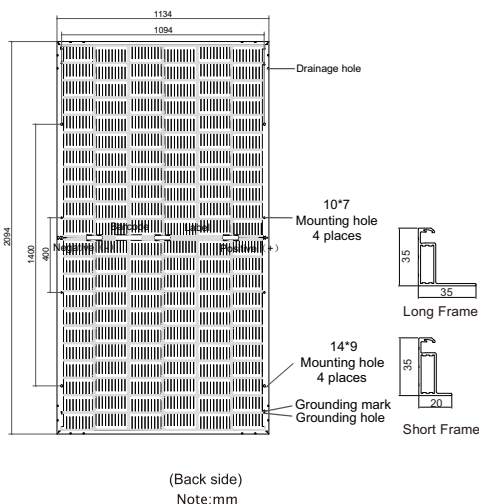
Pallet Dimensions	2145×1140×1250mm
Container	40'HQ
Pieces per Pallet	31
Pieces per Container	682

Temperature Characteristics

Nominal Operating Cell Temperature(NOCT)	42±3°C
Temperature Coefficient of Isc	+0.063%/°C
Temperature Coefficient of Voc	-0.269%/°C
Temperature Coefficient of Pmax	-0.335%/°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	1500V DC(IEC)	Fire Rating Class	Class C



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