



Best Choice for
Utility



MONO-FACIAL MODULE

540 / 545 / 550 / 555

DM540M10-72HSW/HBW

DM545M10-72HSW/HBW

DM550M10-72HSW/HBW

DM555M10-72HSW/HBW



Performance

Lower LCOE, reduced BOS cost, short payback time



Quality

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



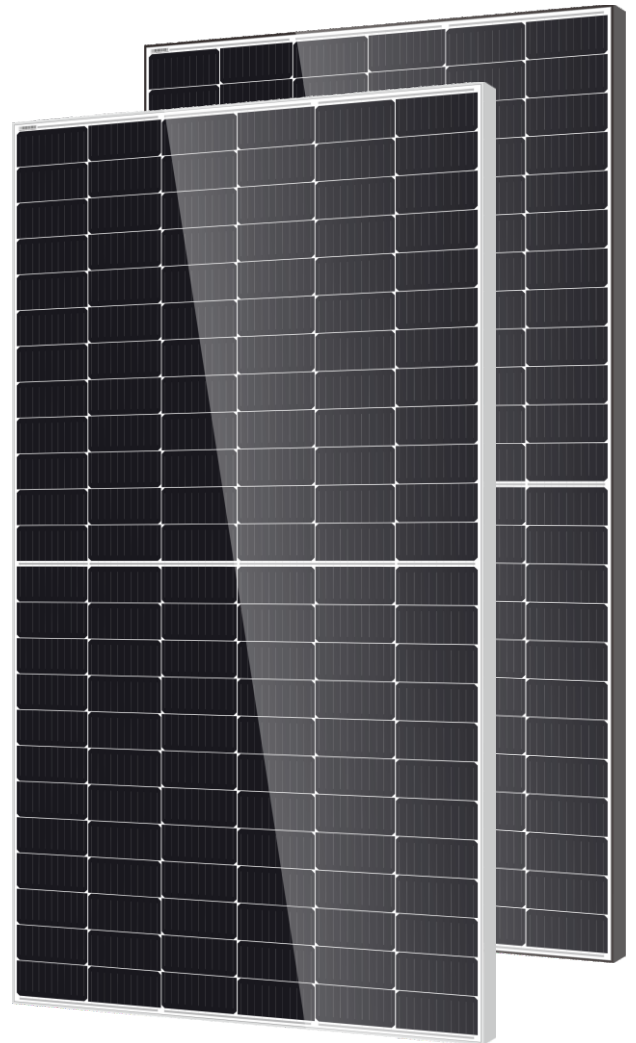
Guarantee

Warranty comes from one of the most financially healthy PV providers

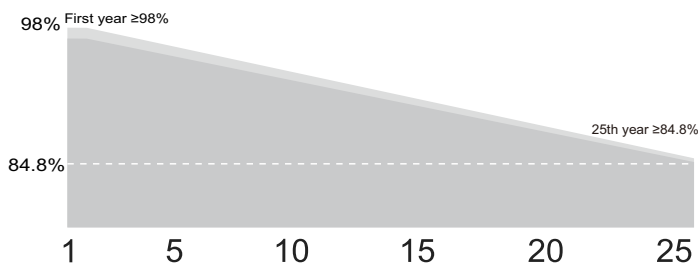


Service

Customer-oriented and local services



Warranty



12 Years product warranty

25 Years power output warranty

A Member of the Hengdian Group

Ver:20221108A4

Electrical Specifications

Module Type	DM540M10-72HSW/HBW		DM545M10-72HSW/HBW		DM550M10-72HSW/HBW		DM555M10-72HSW/HBW	
	DM540M10-72HSW/HBW-V		DM545M10-72HSW/HBW-V		DM550M10-72HSW/HBW-V		DM555M10-72HSW/HBW-V	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	540	409	545	413	550	417	555	421
Maximum Power Current (Imp/A)	13.12	10.40	13.19	10.46	13.26	10.52	13.33	10.57
Maximum Power Voltage (Vmp/V)	41.16	39.35	41.32	39.50	41.48	39.66	41.64	39.81
Short-circuit Current (Isc/A)	13.97	11.21	14.04	11.26	14.11	11.32	14.18	11.37
Open-circuit Voltage (Voc/V)	49.59	47.10	49.74	47.24	49.89	47.39	50.04	47.53
Module Efficiency STC (%)	20.90%		21.10%		21.29%		21.48%	

Pmax 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	144(6x24)
Module Dimensions	2278x1134x35mm
Weight	28.7kg
Module Structure	Glass/Encapsulant/Backsheet
Glass Thickness	3.2mm
PV Module Classification	Class II
Junction Box Rating	IP68
Cables	4mm ² /1300mm or Customized Length
Connector Type	PV-ZH202B or MC4 (1000V) PV-ZH202B or MC4-EVO 2A (1500V)

Packaging

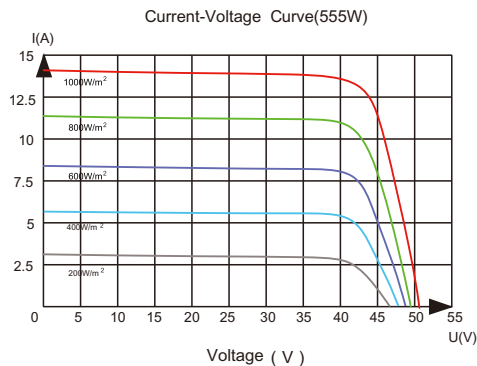
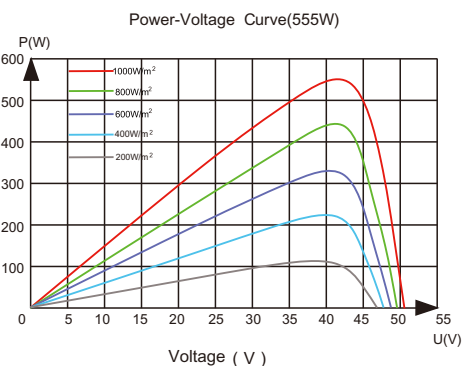
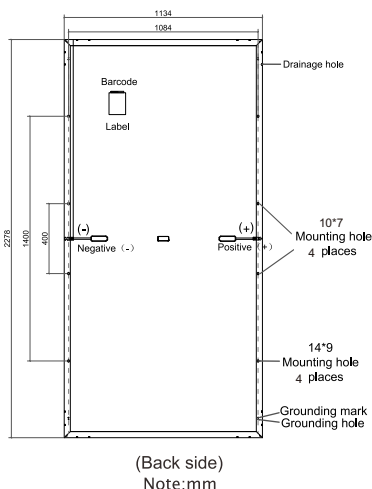
Pallet Dimensions	2320×1140×1250mm
Container	40'HQ
Pieces per Pallet	31
Pieces per Container	620

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



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

blueplanet 60.0 TL3

Transformerless, three-phase string inverter.



The inverter you can count on.

Compact wall-mounted unit for decentralised megawatt projects

Tailored for economical use in solar parks

Farsighted technical features for future requirements

Installation-friendly connection area, user-friendly operation

Integrated section switches for cost-effective grid and plant protection with Powador-protect

Technical Data

DC input data		60.0 TL3
Max. recommended PV generator power		90 000 W
MPP range		580 ¹⁾ – 900 V
Operating range		580 ¹⁾ – 1 050 V
Rated DC voltage / start voltage		600 V / 670 V
Max. no-load voltage		1 100 V
Max. input current		107 A
Max. short circuit current $I_{sc\ max}$		190 A
Number of MPP tracker		1
Connection per tracker		B / M: 1; XL: 12
AC output data		
Rated output		60 000 VA
Max. power		60 000 VA
Line voltage		240 V / 415 V (3 / N / PE; 3 / PEN) 230 V / 400 V (3 / N / PE; 3 / PEN) 220 V / 380 V (3 / N / PE; 3 / PEN)
Voltage range (Ph-Ph)		305 – 480 V
Rated frequency (range)		50 Hz / 60 Hz (42 – 68 Hz)
Rated current		3 x 86.7 A @ 400 V
Max. current		3 x 90.0 A continuously
Reactive power / cos phi		0 - 100 % Snom / 0.30 ind. – 0.30 cap.
Max. total harmonic distortion (THD)		1.6 %
Number of grid phases		3
General data		
Max. efficiency		98.5 %
Europ. efficiency		98.1 %
CEC efficiency		98.0 %
Standby consumption		2.5 W
Circuitry topology		transformerless
Mechanical data		
Display		graphical display + LEDs
Control units		4-way navigation + 2 buttons
Interfaces		Ethernet, USB, RS485, optional: 4-DI
Fault signalling relay		potential-free NOC max. 30 V / 1 A
DC connection		B / M: max.120 mm ² cable plug, Cu / Al XL: DC plugs (SUNCLIX)
AC connection		screw terminals, max. 95 mm ² , Cu / Al
Ambient temperature		-20 °C – +60 °C ²⁾
Humidity		0 – 100 %
Max. installation elevation (above MSL)		3 000 m
Cooling		temperature controlled fan
Protection class		IP65
Noise emission		< 61 db (A)
H x W x D		760 x 500 x 425 mm
Weight		71 kg (B / M), 73 kg (XL)
Certifications		
Safety		IEC 62109-1/-2 EN 61000-6-1/-2/-4 EN 61000-3-11/-12
Grid connection rule		overview see homepage / download area

¹⁾ 560 V @ 220 V / 380 V; 610 V @ 240 V / 415 V
²⁾ Power derating at high ambient temperatures

Versions	B	M	XL	XLF
Number of DC inputs	1	1	12	12
DC switch	✓	✓	✓	✓
Fuse holder PV+ without fuse	-	-	✓	✓
String protection PV -	-	-	○	○
DC surge protection	-	○	Type 1 + 2	Type 1 + 2
AC surge protection	-	○	○	○

standard = ✓ upgradeable = ○