



Bi-PLUS

DH-M172F 525-545W

Bifacial Half-cut Mono PERC Module



Advanced processing techniques realize great module efficiency to a maximum of 21.10%, steady power output guaranteed



0~+5W Positive tolerance delivers higher output reliability



Excellent performance even under low-light settings, such as dawn, dusk and cloudy day

PID

Advanced cell technology and qualified materials lead to high resistance to PID

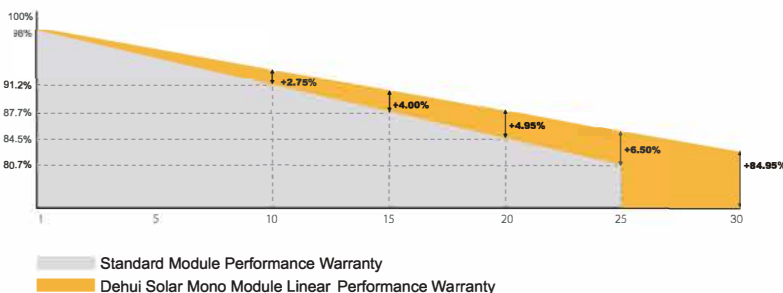


Excellent mechanical load: Positive 5,400pa and Negative 2,400pa



Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

LINEAR PERFORMANCE WARRANTY



Product Material & Workmanship
12 YEAR WARRANTY

Linear Performance
30 YEAR WARRANTY



302602

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Bifacial Half-cut Mono PERC Module

ELECTRICAL PROPERTIES STC*	DH-M172F 525W	DH-M172F 530W	DH-M172F 535W	DH-M172F 540W	DH-M172F 545W
Peak Power (Pmax W)	525	530	535	540	545
MPP Voltage (Vmp V)	40.8	40.9	40.9	41.1	41.3
MPP Current (Imp A)	12.87	12.97	13.07	13.13	13.19
Open Circuit Voltage (Voc V)	49.4	49.5	49.5	49.7	49.9
Short Circuit Current (Isc A)	13.63	13.73	13.83	13.89	13.95
Module Efficiency (%)	20.3	20.5	20.7	20.9	21.1
Power Tolerance	0~+5W				
Operating Temperature	-40°C ~ 85°C				
Maximum System Voltage	DC 1500V				
Maximum Series Fuse Rating	30A				

*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5

ELECTRICAL PROPERTIES NOCT*	DH-M172F 525W	DH-M172F 530W	DH-M172F 535W	DH-M172F 540W	DH-M172F 545W
Peak Power (Pmax W)	391	394	398	402	405
MPP Voltage (Vmp V)	37.8	37.9	37.9	38.1	38.3
MPP Current (Imp A)	10.33	10.41	10.49	10.55	10.60
Open Circuit Voltage (Voc V)	46.7	46.7	46.76	46.9	47.1
Short Circuit Current (Isc A)	11.01	11.09	11.17	11.22	11.27

*NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

BIFACIAL OUTPUT-REAR SIDE POWER GAIN		525W	530W	535W	540 W	545W
5%	Maximum Power(Pmax W)	551	557	562	567	572
	Module Efficiency STC (%)	21.34%	21.54%	21.75%	21.95%	22.15%
15%	Maximum Power(Pmax W)	604	610	615	621	627
	Module Efficiency STC (%)	23.37%	23.59%	23.82%	24.04%	24.26%
25%	Maximum Power(Pmax W)	656	663	669	675	681
	Module Efficiency STC (%)	25.40%	25.65%	25.89%	26.13%	26.37%

MECHANICAL PROPERTIES	
Cell Type	Mono cell(182x91mm)
Number of Cells	144 (72*2) pcs
Dimension	2278*1134*35mm
Weight	32KG
Front / Rear Glass	2mm / 2mm
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable Type	4.0mm ²
Fire Type(Rating)	UL Type 29 / IEC Class C
Length Of Cable	(+)300mm, (-)400mm or customized

TEMPERATURE COEFFICIENT	
Temp.coeff. Of Pmax (Tk Pmax)	-0.35%/°C
Temp.coeff. Of Voc (Tk Voc)	-0.28%/°C
Temp.coeff. Of Isc (Tk Isc)	0.048%/°C

PACKAGING	
Pallet	30 pcs
40'HC	570pcs

The specifications and key features contained in this datasheet maybe changed, modified or updated at any time under sole discretion of Dehui, without further notice to the user, due to the on-going research and development efforts and continuous product improvement processes employed at the factory. Therefore, Dehui reserves the right to make any adjustment to the information contained herein. It is the responsibility of the user of datasheet to obtain the latest, current revision - matching to the correct Dehui product - that the user has purchased or intends to purchase.

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ENGINEERING DRAWING (unit: mm)

The drawing shows a rectangular module with a width of 1134 mm and a height of 2278 mm. It features a grid of cells and various mounting and grounding points. Key details include:

- G:** Grounding holes (Φ 4.2mm) (8 places)
- M1:** Mounting holes (7x10mm) (4 places)
- M2:** Mounting holes (9x14mm) (8 places)
- Section lines A-A and B-B are indicated.
- Dimensions for mounting holes are given as 10, 14, 9, 35, and 35 mm.
- Radius callouts R2.5 and R4.5 are present.

