



Bi-PLUS

DH-M172T 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

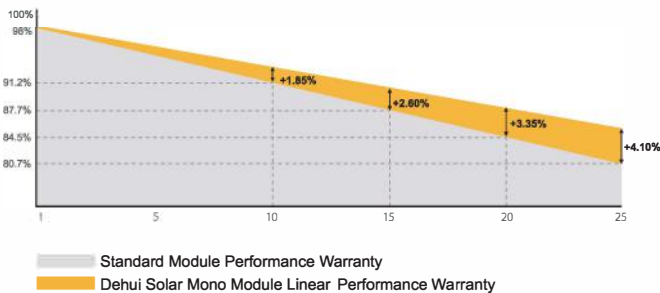


Excellent mechanical load: Positive 5,400pa and Negative 2,400pa



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

25 YEAR WARRANTY



302602

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Bifacial Half-cut Mono PERC Module

ELECTRICAL PROPERTIES STC*	525W	530W	535W	540 W	545W
Peak Power (Pmax W)	525	530	535	540	545
MPP Voltage (Vmp V)	40.97	41.12	41.25	41.39	41.55
MPP Current (Imp A)	12.81	12.89	12.97	13.05	13.12
Open Circuit Voltage (Voc V)	49.16	49.28	49.41	49.53	49.68
Short Circuit Current (Isc A)	13.65	13.71	13.79	13.86	13.93
Module Efficiency (%)	20.32%	20.52%	20.71%	20.90%	21.10%
Power Tolerance	0 ~ +5W				
Operating Temperature	-40°C ~ +85°C				
Maximum System Voltage	DC1500V				
Maximum Series Fuse Rating	30A				

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

ELECTRICAL PROPERTIES NOCT*	525W	530W	535W	540 W	545W
Peak Power (Pmax W)	391	394	398	402	405
MPP Voltage (Vmp V)	38.3	38.4	38.5	38.7	38.8
MPP Current (Imp A)	10.22	10.28	10.35	10.41	10.47
Open Circuit Voltage (Voc V)	46.5	46.58	46.65	46.7	46.88
Short Circuit Current (Isc A)	11.02	11.07	11.14	11.2	11.26

*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 (%)	21.33%	21.56%	21.76%	21.95%	22.14%
15%	Maximum Power(Pmax W)	604	610	615	621	623
	Module Efficiency STC (%)	23.38%	23.61%	23.81%	24.04%	24.12%
25%	Maximum Power(Pmax W)	656	663	669	675	681
	Module Efficiency STC (%)	25.39%	25.67%	25.90%	26.13%	26.36%

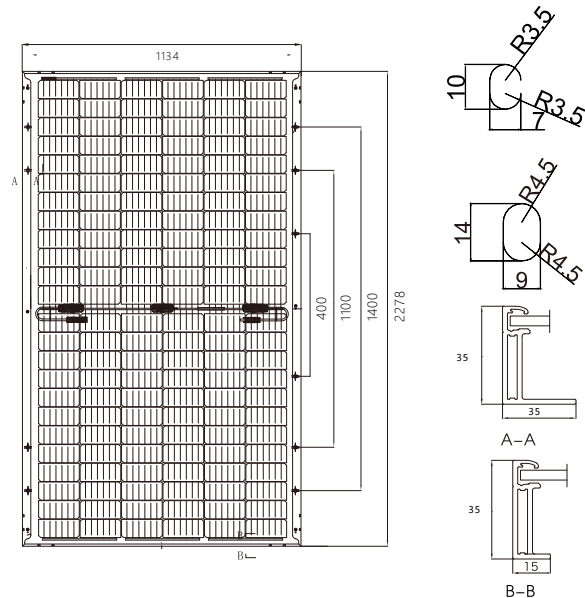
MECHANICAL PROPERTIES	
Cell Type	Mono cell(182x91mm)
Number of Cells	144 (72*2) pcs
Dimension	2278*1134*35mm
Weight	28.9KG
Front Glass	3.2mm AR coated tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable Type	4.0mm ²
Fire Type(Rating)	UL Type 4 / IEC Class C
Length Of Cable	300mm, or can be 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	31pcs
40'HC	620pcs

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ENGINEERING DRAWING (unit: mm)



I-V CURVES

Current-Voltage & Power-Voltage Curves(540W)

