



# Bi-PLUS

## DH-N172F 560-580W

### N-Type Bifacial Half-cut TOPCon Module



Advanced processing techniques realize great module efficiency to a maximum of 22.50%, 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

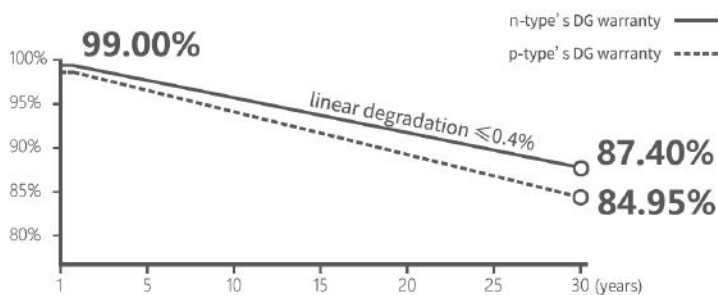


Excellent mechanical load: Positive 5,400pa and Negative 2,400pa



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**



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ELECTRICAL PROPERTIES   STC*	DH-N172F 560W	DH-N172F 565W	DH-N172F 570W	DH-N172F 575W	DH-N172F 580W
Peak Power (Pmax   W)	560	565	570	575	580
MPP Voltage (Vmp   V)	42.44	42.61	42.77	42.94	43.11
MPP Current (Imp   A)	13.20	13.26	13.33	13.39	13.45
Open Circuit Voltage (Voc   V)	50.50	50.70	50.90	51.10	51.30
Short Circuit Current (Isc   A)	13.93	14.02	14.10	14.19	14.28
Module Efficiency (%)	21.7	21.9	22.1	22.3	22.5
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/m<sup>2</sup>, Cell Temperature 25°C, AM 1.5

ELECTRICAL PROPERTIES   NMOT*	DH-N172F 560W	DH-N172F 565W	DH-N172F 570W	DH-N172F 575W	DH-N172F 580W
Peak Power (Pmax   W)	421.1	424.9	428.6	432.4	436.2
MPP Voltage (Vmp   V)	39.94	40.10	40.26	40.42	40.59
MPP Current (Imp   A)	10.54	10.60	10.65	10.70	10.75
Open Circuit Voltage (Voc   V)	47.97	48.16	48.35	48.54	48.73
Short Circuit Current (Isc   A)	11.25	11.32	11.39	11.46	11.53

NMOT : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

Electrical Specifications (Integrated power)					
Pmpp gain	Pmpp / Wp	Vmpp / V	Imp / A	Voc / V	Isc / A
5%	599	42.77	13.99	50.90	14.10
10%	627	42.77	14.66	50.90	15.48
15%	656	42.78	15.32	50.91	16.18
20%	684	42.78	15.99	50.91	16.88
25%	713	42.78	16.65	50.91	17.58

Data may vary according to different environment

MECHANICAL PROPERTIES	
Cell Type	Mono cell(182x91mm)
Number of Cells	144 (72*2) pcs
Dimension	2278*1134*30mm
Weight	32.1kg
Front / Rear Glass	2mm / 2mm
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable Type	4.0mm <sup>2</sup>
Fire Type(Rating)	UL Type 29 / IEC Class C
Length Of Cable	(+)300mm, (-)400mm or customized

TEMPERATURE COEFFICIENT	
Temp.coeff. Of Pmax (Tk Pmax)	-0.29%/°C
Temp.coeff. Of Voc (Tk Voc)	-0.25%/°C
Temp.coeff. Of Isc (Tk Isc)	+0.043%/°C

PACKAGING	
Pallet	36pcs
40'HC	576pcs

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)	
	<p>INSTALLATION HOLE</p> <p>A-A</p> <p>B-B</p>
CURVES	