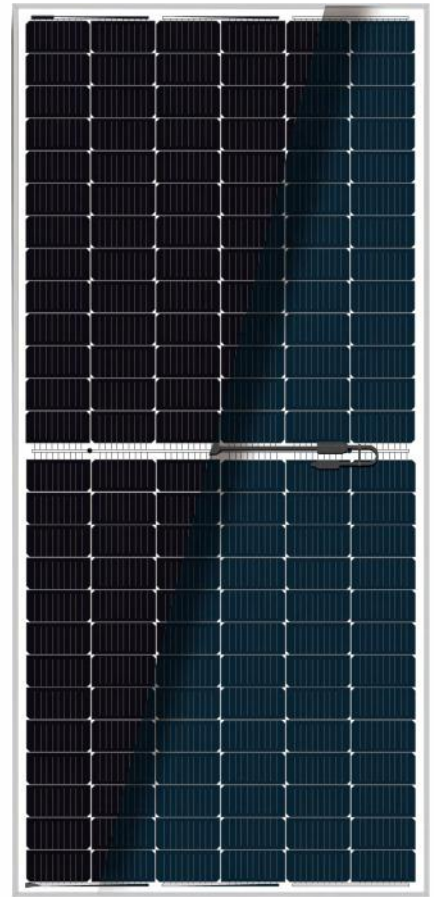




Bi-PLUS

DH-N178F 610-630W

N-Type Bifacial Half-cut TOPCon Module



Advanced processing techniques realize great module efficiency to a maximum of 22.5%, 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

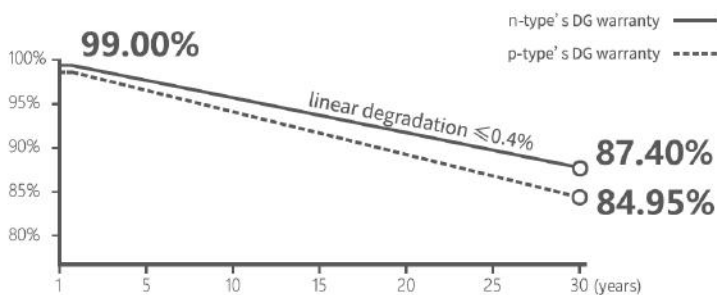


Excellent mechanical load: Positive 5,400pa and Negative 2,400pa



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



DH-N178F 610-630W

N-Type Bifacial Half-cut TOPCon Module

ELECTRICAL PROPERTIES STC*	DH-N178F 610W	DH-N178F 615W	DH-N178F 620W	DH-N178F 625W	DH-N178F 630W
Peak Power (Pmax W)	610	615	620	625	630
MPP Voltage (Vmp V)	45.79	45.96	46.12	46.29	46.46
MPP Current (Imp A)	13.32	13.38	13.44	13.50	13.56
Open Circuit Voltage (Voc V)	55.41	55.61	55.81	56.01	56.21
Short Circuit Current (Isc A)	13.87	13.95	14.03	14.11	14.19
Module Efficiency (%)	21.8	22.0	22.2	22.4	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/m², Cell Temperature 25°C, AM 1.5

ELECTRICAL PROPERTIES NMOT*	DH-N178F 610W	DH-N178F 615W	DH-N178F 620W	DH-N178F 625W	DH-N178F 630W
Peak Power (Pmax W)	458.7	462.5	466.2	470.0	473.8
MPP Voltage (Vmp V)	43.1	43.26	43.41	43.57	43.73
MPP Current (Imp A)	10.64	10.69	10.74	10.79	10.84
Open Circuit Voltage (Voc V)	52.63	52.82	53.01	53.2	53.39
Short Circuit Current (Isc A)	11.19	11.26	11.32	11.39	11.45

NMOT : Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

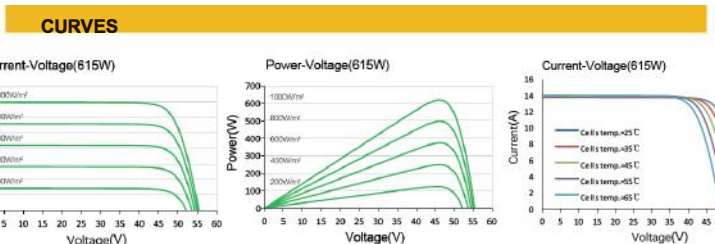
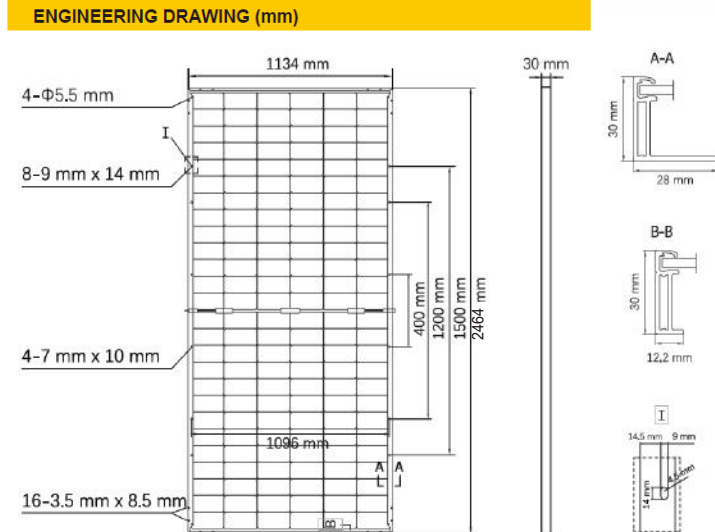
Electrical Specifications (regarding 615W as an example)					
Pmpp gain	Pmpp / Wp	Vmpp / V	Imp / A	Voc / V	Isc / A
5%	646	45.96	14.05	55.61	14.64
10%	677	45.96	14.72	55.61	15.34
15%	707	45.97	15.39	55.62	16.03
20%	738	45.97	16.05	55.62	16.73
25%	769	45.97	16.72	55.62	17.43

Data may vary according to different environment

MECHANICAL DATA	
Solar Cells	Mono Cell(182*91mm)
Cell Orientation	156 cells (6 × 26)
Module Dimensions	2464× 1134 × 30mm
Weight	34.7 kg
Front Glass	2.0 mm, High Transmission, AR Coated Heat Strengthened Glass
Back Glass	2.0 mm, Heat Strengthened Glass (White Grid Glass)
Frame	Anodized Aluminium Alloy
J-Box	IP 68 rated
UL Fire Type	29
Output Cable	4mm ² ,300mm in length, length can be customized

TEMPERATURE RATINGS	
Temperature Coefficient of P _{MAX}	- 0.29%/°C
Temperature Coefficient of V _{OC}	- 0.25%/°C
Temperature Coefficient of I _{SC}	+0.043%/°C

PACKAGING	
Pallet	36pcs
40'HC	504pcs



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