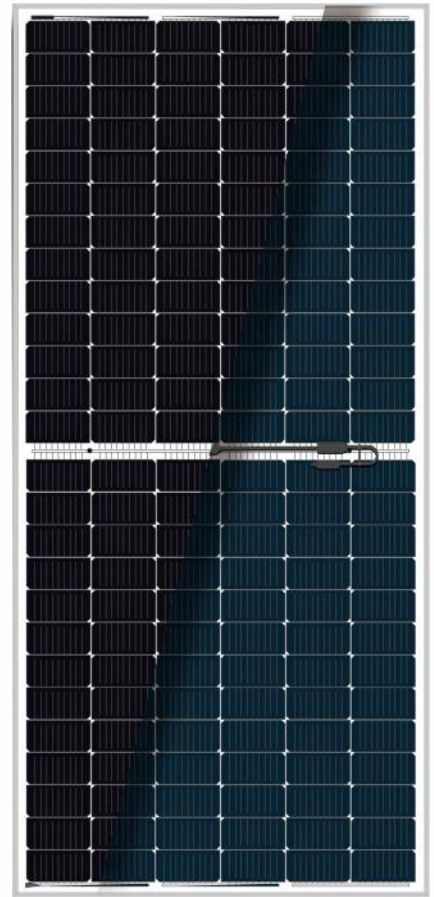




Bi-PLUS

DH-N178T 610-630W

N-Type Bifacial Half-cut TOPCon Module
with transparent backsheet



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

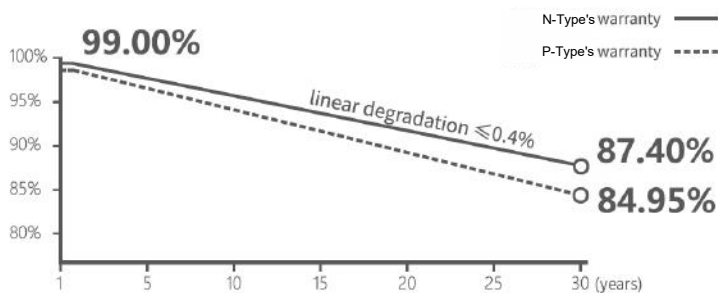


Excellent mechanical load: Positive 5,400pa and Negative 2,400pa



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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DH-N178T 610-630W

N-Type Bifacial Half-cut TOPCon Module

ELECTRICAL PROPERTIES STC*	DH-N178T 610W	DH-N178T 615W	DH-N178T 620W	DH-N178T 625W	DH-N178T 630W
Peak Power (Pmax W)	610	615	620	625	630
MPP Voltage (Vmp V)	45.9	46.1	46.2	46.3	46.5
MPP Current (Imp A)	13.29	13.35	13.42	13.5	13.55
Open Circuit Voltage (Voc V)	54.9	55.1	55.2	55.3	55.5
Short Circuit Current (Isc A)	14.04	14.1	14.17	14.25	14.31
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-N178T 610W	DH-N178T 615W	DH-N178T 620W	DH-N178T 625W	DH-N178T 630W
Peak Power (Pmax W)	462	466	470	474	478
MPP Voltage (Vmp V)	43.1	43.3	43.4	43.60	43.8
MPP Current (Imp A)	10.72	10.76	10.82	10.87	10.91
Open Circuit Voltage (Voc V)	52.5	52.7	52.8	53.0	53.2
Short Circuit Current (Isc A)	11.32	11.37	11.42	11.47	11.52

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

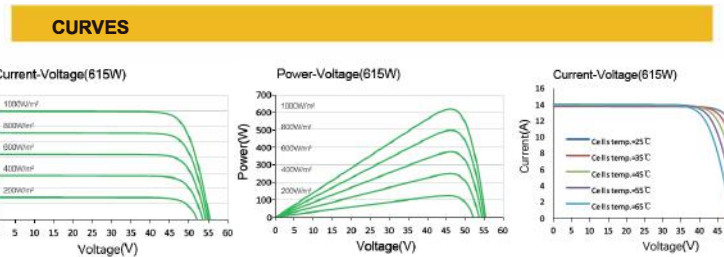
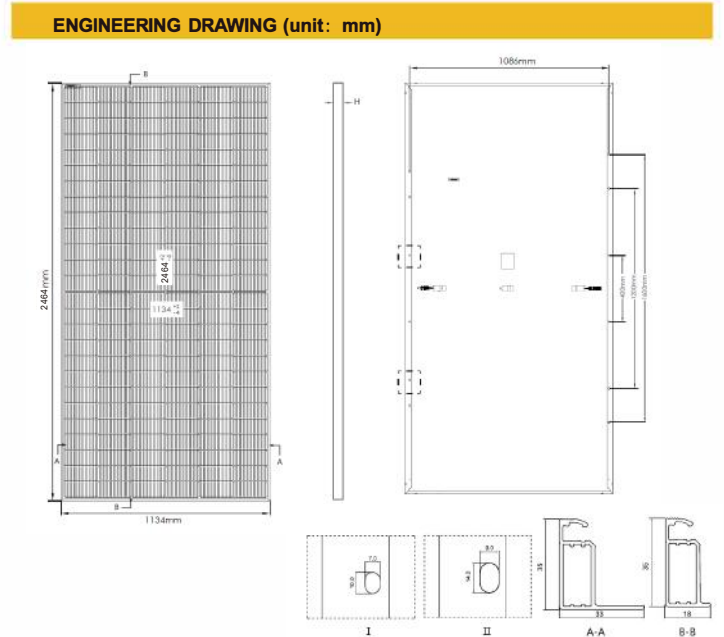
Electrical Specifications (regarding 615W as an example)					
Pmpp gain	Pmpp / Wp	Vmpp / V	Imp / A	Voc / V	Isc / A
5%	646	45.96	14.05	55.61	14.64
10%	677	46.26	14.72	55.61	15.34
15%	707	45.97	15.39	55.62	16.03
20%	738	45.97	16.05	55.62	16.73
25%	769	45.97	16.72	55.62	17.43

Data may vary according to different environment

MECHANICAL PROPERTIES	
Cell Type	Mono cell(182x91mm)
Number of Cells	156 cells (6 × 26)
Dimension	2464 *1134*35mm
Weight	29.0 kg
Front Glass	3.2mm
Frame	Anodized aluminum alloy
Junction Box	IP68, 3 diodes
Cable Type	4.0mm ²
Fire Type(Rating)	UL Type 1 / 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	31pcs
40'HC	558pcs



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