

TOPCon

DHN-78X16

0~+5W

600~630W



Higher Power Generation Efficiency

N-type TOPCon module could increase power generation by 3%+ per watt compared with PERC module



Lower Degradation Rate, PID Resistance

First-year ≤1%, 2-30 year ≤0.4%; excellent Anti-PID performance



Lower Temp. Coefficient

More power generation under high-temperature



Better Dim Light Performance

Excellent performance under dim light

Comprehensive Products & System Certificates

IEC 61215 / IEC 61730 / CE / INMETRO

ISO 45001: 2018/International standards for occupational health & safety

ISO 14001: 2015/Standards for environmental management system

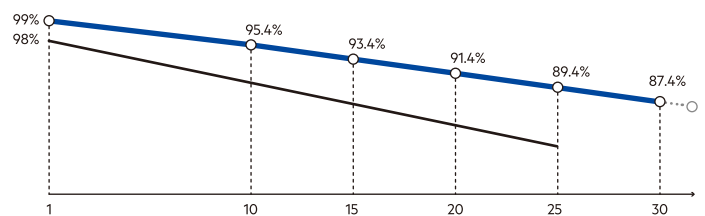
ISO 9001: 2015/Quality management system



Quality Guarantee

15-Year Material & Technology Warranty

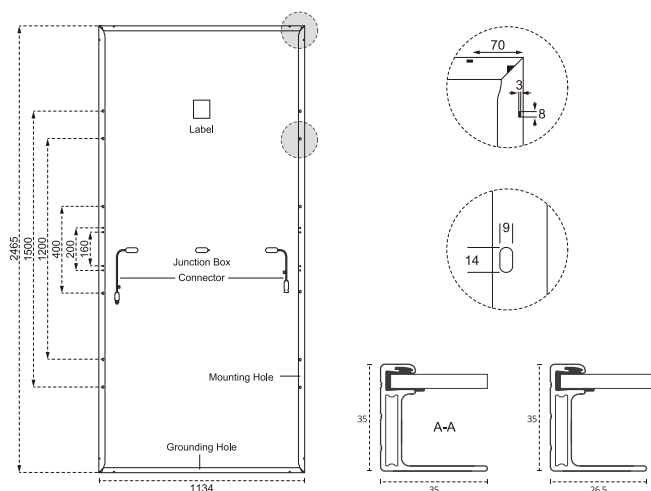
30-Year Linear Power Output Warranty



▲ DAH Solar Linear power output guarantee ▲ Standard Linear power output guarantee

Mechanical Specification

Cable	4.0mm ² , 350/250mm in length, (Including Connector)
No. of Cells	156 (6×26)
Glass	3.2mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	32kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	2465×1134×35mm
Packing	31pcs/Pallet, 496pcs/40HQ



STC-Electrical Characteristics

Module Type	DHN-78X16						
Maximum Power (Pmax/W)	600	605	610	615	620	625	630
Open-circuit Voltage (Voc/V)	54.8	55.0	55.2	55.4	55.6	55.8	56.0
Maximum Power Voltage (Vmp/V)	46.0	46.2	46.4	46.6	46.8	47.0	47.2
Short-circuit Current (Isc/A)	13.84	13.90	13.96	14.02	14.08	14.14	14.20
Maximum Power Current (Imp/A)	13.04	13.10	13.15	13.20	13.25	13.30	13.35
Module Efficiency (%)	21.46	21.64	21.82	22.00	22.18	22.36	22.54

Standard Test Environment : Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

NOCT—Electrical Characteristics

Maximum Power (Pmax/W)	451	455	459	462	466	470	474
Open-circuit Voltage (Voc/V)	52.1	52.3	52.4	52.6	52.8	53.0	53.2
Maximum Power Voltage (Vmp/V)	43.7	43.9	44.1	44.3	44.5	44.7	44.8
Short-circuit Current (Isc/A)	11.17	11.22	11.27	11.32	11.37	11.42	11.46
Maximum Power Current (Imp/A)	10.32	10.37	10.41	10.45	10.49	10.53	10.57

Standard Test Environment : Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

Operating Parameters

Maximum System Voltage	1500V DC
Power Tolerance	0~+5W
Operating Temperature	-40 ~ +85°C
Maximum Series Fuse Rating	25A
Nominal Operating Cell Temperature	45°C±2°C
Application Level	Class A

Temperature Coefficient

Temperature Coefficient of Isc (α Isc)	0.046%/°C
Temperature Coefficient of Voc (β Voc)	-0.25%/°C
Temperature Coefficient of Pmax (γ Pmp)	-0.30%/°C

Mechanical Loads

Snow load, frontside / Wind load, backside	5400Pa/2400Pa
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I-V Curve

