



TOPCon

DHN-78X16/FS(BW)

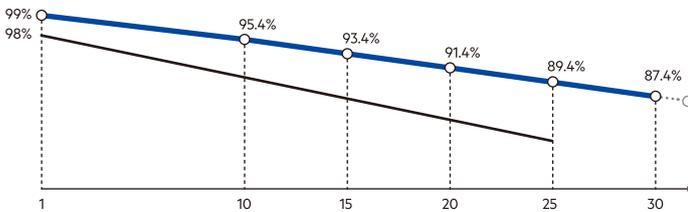
620~635W

P V M o d u l e
Full Screen

No Dust and Dirt on the Surface Increases Power Generation

Quality Guarantee

15-year Material & technology warranty
30-year Linear power output warranty



▲ DAH Solar linear power output guarantee
▾ Standard linear power output guarantee

Comprehensive Products & System Certificates



IEC 61215 / IEC 61730 / CE / FIDE / INMETRO
ISO 45001 : 2018/International standards for occupational health & safety
ISO 14001 : 2015/Standards for environmental management system
ISO 9001 : 2015/Quality management system



Full-Screen Technology Increases Power Generation by 6-15%
No water and dust, which reduces the power loss and maintenance cost



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

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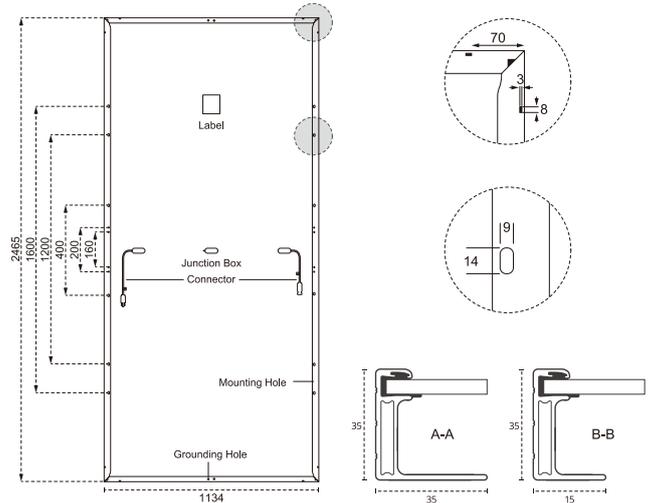
620~635W



Mechanical Specification

Cable	4.0mm2, 350/250mm in length,
(Including Connector)	length can be customized
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

Design



Operating Parameters

Maximum System Voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum Series Fuse Rating	25A
Snow load, frontside / Wind load, backside	5400Pa/2400Pa
Nominal Operating Cell Temperature	45°C±2°C
Application Level	Class A

STC — Electrical Characteristics

Module Type	DHN-78X16/FS(BW)			
	620	625	630	635
Maximum Power (Pmax/W)	620	625	630	635
Open-circuit Voltage (Voc/V)	55.6	55.8	56.0	56.2
Maximum Power Voltage (Vmp/V)	46.8	47.0	47.2	47.4
Short-circuit Current (Isc/A)	14.08	14.14	14.20	14.26
Maximum Power Current (Imp/A)	13.25	13.30	13.35	13.40
Module Efficiency (%)	22.18	22.36	22.54	22.72

Power Tolerance: 0~+5W, Temperature Coefficient of Isc: 0.046%/°C, Temperature Coefficient of Voc: -0.25%/°C, Temperature Coefficient of Pmax: -0.30%/°C

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

NOCT — Electrical Characteristics

Maximum Power (Pmax/W)	466	470	474	478
Open-circuit Voltage (Voc/V)	52.8	53.0	53.2	53.4
Maximum Power Voltage (Vmp/V)	44.5	44.7	44.8	45.0
Short-circuit Current (Isc/A)	11.37	11.42	11.46	11.51
Maximum Power Current (Imp/A)	10.49	10.53	10.57	10.60

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

I-V Curve

