



**TOPCon**

DHN-78X16/FS

**620~635W**

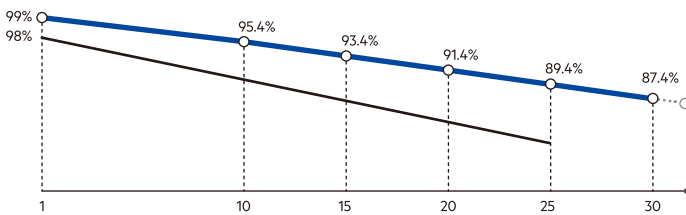
P V M o d u l e

# 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  $\leq 1\%$ , 2-30 year  $\leq 0.4\%$ ; excellent Anti-PID performance



**Lower Temp. Coefficient**  
More power generation under high-temperature



**Better Dim Light Performance**  
Excellent performance under dim light

# DHN-78X16/FS

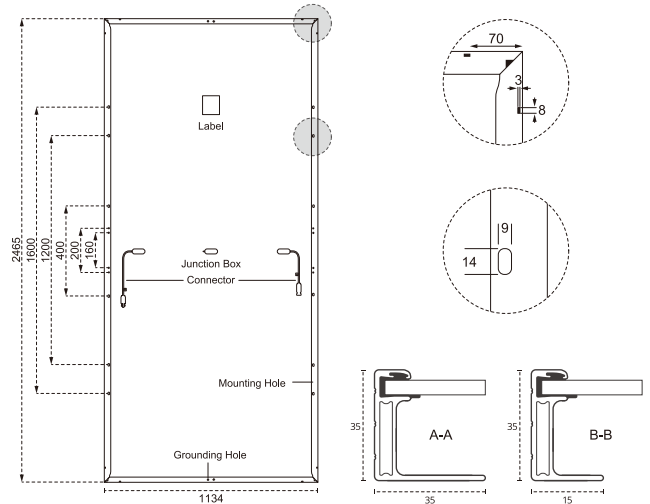
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## Mechanical Specification

Cable	4.0mm <sup>2</sup> , 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			
	620	625	630	635
Maximum Power (P <sub>max</sub> /W)	620	625	630	635
Open-circuit Voltage (V <sub>oc</sub> /V)	55.6	55.8	56.0	56.2
Maximum Power Voltage (V <sub>mp</sub> /V)	46.8	47.0	47.2	47.4
Short-circuit Current (I <sub>sc</sub> /A)	14.08	14.14	14.20	14.26
Maximum Power Current (I <sub>mp</sub> /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 I<sub>sc</sub>: 0.046%/°C, Temperature Coefficient of V<sub>oc</sub>: -0.25%/°C, Temperature Coefficient of P<sub>max</sub>: -0.30%/°C

Standard Test Environment : Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5

## NOCT — Electrical Characteristics

Maximum Power (P <sub>max</sub> /W)	466	470	474	478
Open-circuit Voltage (V <sub>oc</sub> /V)	52.8	53.0	53.2	53.4
Maximum Power Voltage (V <sub>mp</sub> /V)	44.5	44.7	44.8	45.0
Short-circuit Current (I <sub>sc</sub> /A)	11.37	11.42	11.46	11.51
Maximum Power Current (I <sub>mp</sub> /A)	10.49	10.53	10.57	10.60

Standard Test Environment : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## I-V Curve

