

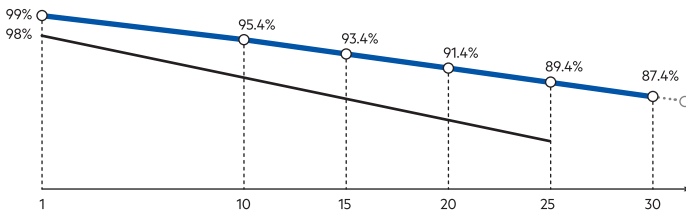
DHN-72X16/FS(BW)
575~590W

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



Global Patented Full Screen Technology, no dust or snow accumulation, increase power generation by 6-15%



Higher power, longer service life
linear power warranty for 30 years



TOPCon cells have a lower decay rate,
≤ 1% in the first year and ≤ 0.4% in the second year



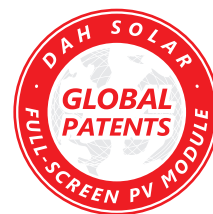
Lower temperature coefficient, better high-temperature resistance,
reduced power loss, and better high-temperature resistance



LECO laser assisted sintering technology,
reduces contact resistance and improves efficiency by 0.2% -0.5%

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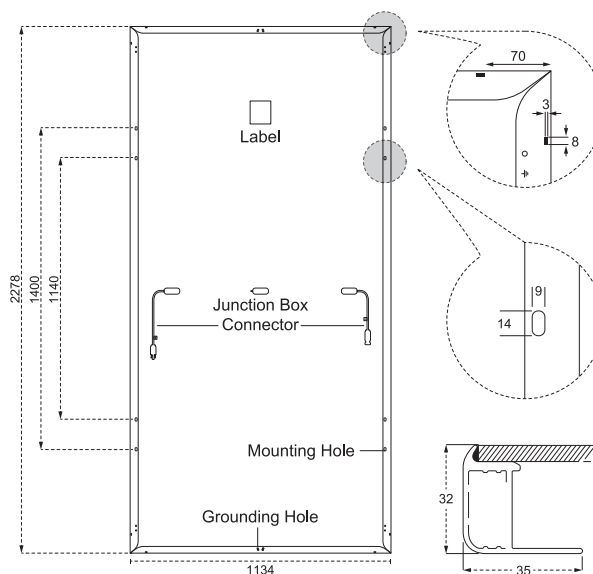
Mechanical Specification

Cable	4.0mm ² , 300/200mm in length,
(Including connector)	length can be customized
No.of Cells	144 (6×24)
Glass	3.2mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Weight	26.9kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	2278×1134×32mm
Packing	34pcs/Pallet, 680pcs/40HQ

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

Design



STC — Electrical Characteristics

Module Type	DHN-72X16/FS(BW)			
Maximum Power (P _{max} /W)	575	580	585	590
Open-circuit Voltage (V _{oc} /V)	51.2	51.4	51.6	51.8
Maximum Power Voltage (V _{mp} /V)	43.4	43.6	43.8	44.0
Short-circuit Current (I _{sc} /A)	14.08	14.14	14.20	14.26
Maximum Power Current (I _{mp} /A)	13.25	13.30	13.36	13.41
Module Efficiency (%)	22.26	22.45	22.65	22.84

Power Tolerance: 0~+5W, Temperature Coefficient of I_{sc}: 0.046%/°C, Temperature Coefficient of V_{oc}: -0.25%/°C, Temperature Coefficient of P_{max}: -0.29%/°C

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

NOCT — Electrical Characteristics

Maximum Power (P _{max} /W)	432	436	440	444
Open-circuit Voltage (V _{oc} /V)	48.6	48.8	49.0	49.2
Maximum Power Voltage (V _{mp} /V)	41.2	41.4	41.6	41.8
Short-circuit Current (I _{sc} /A)	11.37	11.42	11.46	11.51
Maximum Power Current (I _{mp} /A)	10.49	10.53	10.57	10.61

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

I-V Curve

