



TOPCon

DHN-72R18/FS

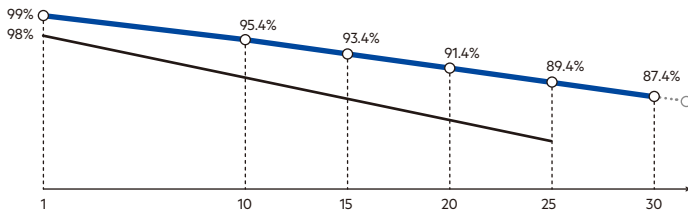
605~630W

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



Higher Power Output

Bifacial module back-side power increases 5-25%



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

DHN-72R18/FS

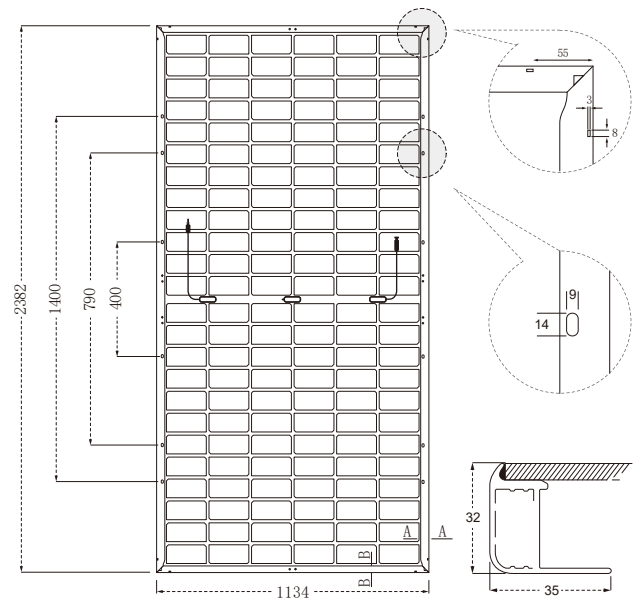
605~630W



Mechanical Specification

Cable	4.0mm ² , 350/250mm 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	30.6kg
Cells Type	N-type 182×95.8mm
Dimension (L×W×T)	2382×1134×32mm
Packing	34pcs/pallet, 680pcs/40HQ

Design



Operating Parameters

Maximum System Voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum Series Fuse Rating	30A
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-72R18/FS					
Maximum Power (Pmax/W)	605	610	615	620	625	630
Open-circuit Voltage (Voc/V)	52.2	52.4	52.6	52.8	53.0	53.2
Maximum Power Voltage (Vmp/V)	44.4	44.6	44.8	45.0	45.2	45.4
Short-circuit Current (Isc/A)	14.66	14.72	14.78	14.84	14.90	14.96
Maximum Power Current (Imp/A)	13.63	13.68	13.73	13.78	13.83	13.88
Module Efficiency (%)	22.40	22.58	22.77	22.95	23.14	23.32

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)	455	459	462	466	470	474
Open-circuit Voltage (Voc/V)	49.6	49.8	50.0	50.2	50.2	50.5
Maximum Power Voltage (Vmp/V)	42.2	42.4	42.6	42.8	42.9	43.1
Short-circuit Current (Isc/A)	11.84	11.88	11.93	11.98	12.03	12.08
Maximum Power Current (Imp/A)	10.79	10.83	10.87	10.91	10.95	10.98

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

I-V Curve

