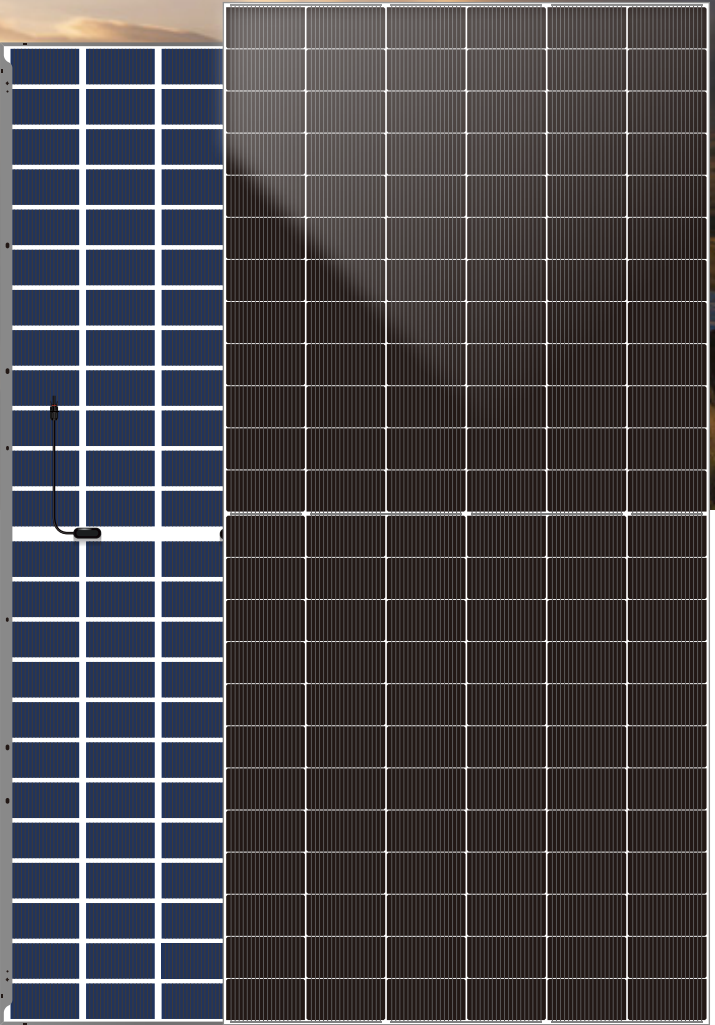


DHN-72R18/DG-625W

High Efficiency Double Glass PV Module



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

 15 Material & technology warranty

 30 Linear power output warranty



Rectangular cells (182mm x 191.6mm) with higher power



TOPCon cells double-sided rate up to 85% and more back power generation by 5-25%



Double-glass Technology, higher encapsulation blocking and mechanical strength



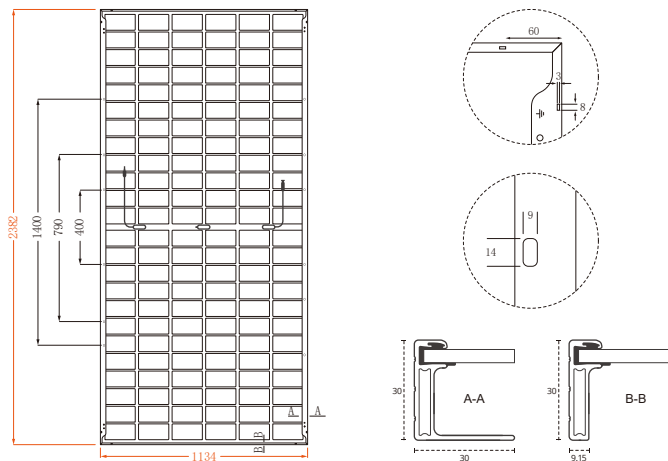
Higher performance in anti hidden cracking, acid and alkali, water vapor, UV



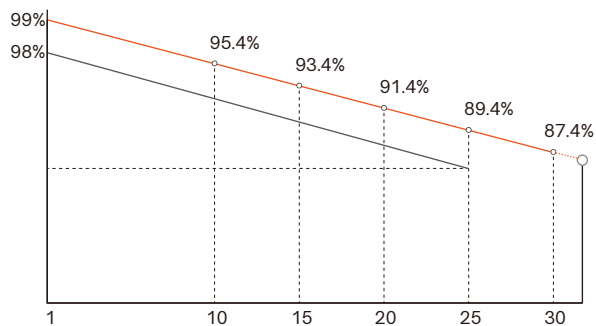
TOPCon cells, lower attenuation, better temperature coefficient & dim light performance

DHN-72R18/DG-625W

Design



30-Year Linear Power Output Warranty



- DAH Solar linear power output guarantee
- Standard linear power output guarantee

Mechanical Specification

No. of Cells	144 (6×24)
Weight	33.2kg
Cells Type	N-type 182×95.8mm
Dimension (L×W×T)	2382×1134×30mm
Packing	36pcs/Pallet, 720pcs/40HQ

Cable	4.0mm ² , 300/200mm in length, (including connector) length can be customized
Glass	2.0mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	PV5e, Changshu Friends Connector Technology Co.,Ltd Customized Connectors

Electrical Characteristics

Module Type	DHN-72R18/DG-625W	
	STC	NOCT
Test conditions	STC	NOCT
Maximum Power (P _{max} /W)	625	470
Open-circuit Voltage (V _{oc} /V)	53.0	50.4
Maximum Power Voltage (V _{mp} /V)	45.2	42.9
Short-circuit Current (I _{sc} /A)	14.90	12.03
Maximum Power Current (I _{mp} /A)	13.83	10.95
Module Efficiency (STC)	23.14%	
Refer Bifacial Factor	80±5%	

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

Tolerance: P_{max}±3%, V_{oc}±3%, I_{sc}±3%

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

Electrical ratings at irradiance level at BNPI

Rated V _{oc} at STC (V) / tolerance ±3%	53.2
Rated I _{sc} at STC (A) / tolerance ±3%	16.39
Rated V _{mp} at STC (V)	45.4
Rated I _{mp} at STC (A)	15.20
Rated P _{max} at STC (W) / tolerance±3%	690

Electrical ratings at irradiance level at aBSI

Rated I _{sc} at aBSI (A) / tolerance ±3%	18.21
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Operating Parameters

Maximum System Voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum Series Fuse Rating	30A
Nominal Operating Cell Temperature	45°C±2°C
Application Level	Class A
Power sorting tolerance	0 ~ 5W

Temperature Coefficient

Temperature Coefficient of I _{sc} (αI _{sc})	0.046%/°C
Temperature Coefficient of V _{oc} (βV _{oc})	-0.25%/°C
Temperature Coefficient of P _{max} (γP _{mp})	-0.29%/°C
Fire class	CLASS A
Snow load, frontside / Wind load, backside	5400Pa/2400Pa