

DHN-72X16/DG 575~595W

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



Bifacial Rate Up to 85% and More Back Power Generation by 5-25%



Double-glass Technology, higher encapsulation blocking and mechanical strength



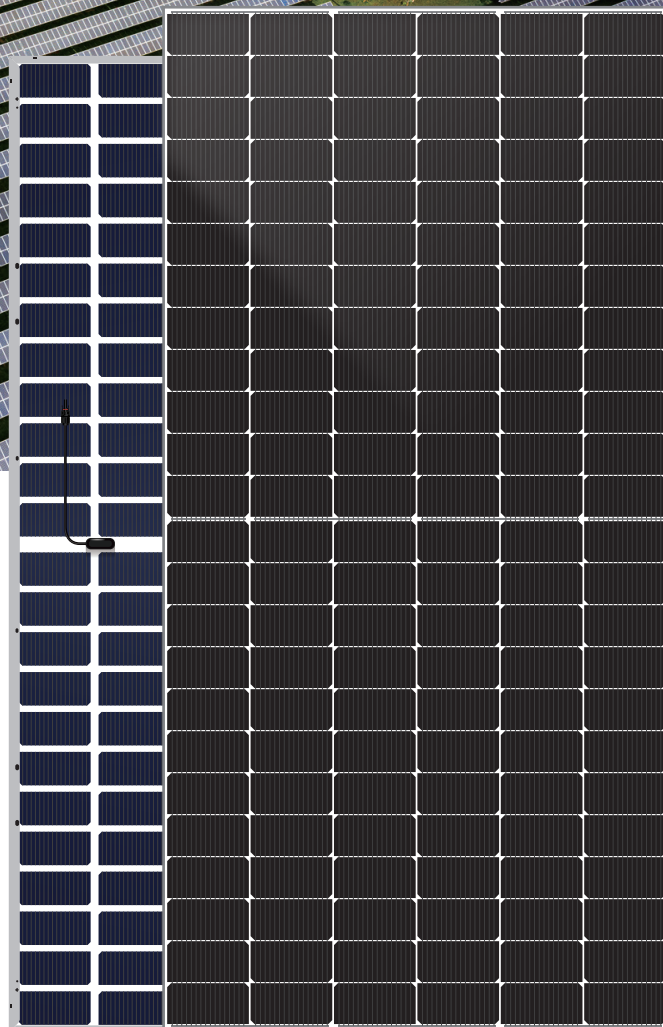
Higher performance in anti hidden cracking, acid and alkali, salt spray, water vapor, UV, PID



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

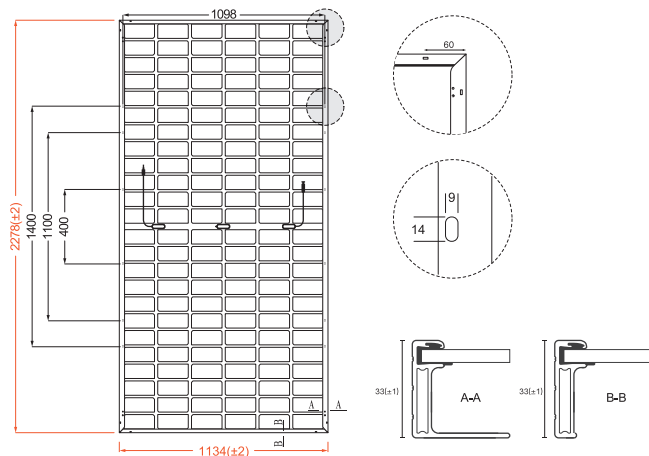


LECO laser assisted sintering technology, reduces contact resistance and improves efficiency by 0.2% -0.5%

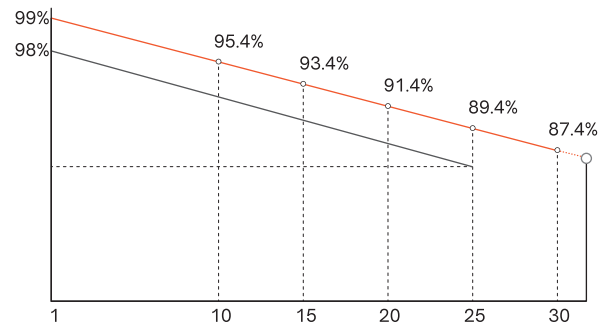


DHN-72X16/DG 575~595W

Design



30-Year Linear Power Output Warranty



— DHN Solar linear power output guarantee
— Standard linear power output guarantee

Mechanical Specification

No. of Cells	144 (6×24)
Weight	30.8kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	2278(±2)×1134(±2)×30(±1)mm
Packing	36pcs/Pallet, 720pcs/40HQ

Cable(Including connector)	4.0mm ² , 200/300mm in length, length can be customized
Glass	2.0mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible
Frame	Composite Frame

Electrical Characteristics

Module Type	DHN-72X16/DG									
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	575	432	580	436	585	440	590	444	595	447
Open-circuit Voltage (Voc/V)	51.2	48.6	51.4	48.8	51.6	49.0	51.8	49.2	52.0	49.4
Maximum Power Voltage (Vmp/V)	43.4	41.2	43.6	41.4	43.8	41.6	44.0	41.8	44.2	42.0
Short-circuit Current (Isc/A)	14.08	11.37	14.14	11.42	14.20	11.46	14.26	11.51	14.32	11.56
Maximum Power Current (Imp/A)	13.25	10.49	13.30	10.53	13.36	10.57	13.41	10.61	13.46	10.66
Module Efficiency - STC (%)	22.26%		22.45%		22.65%		22.84%		23.03%	
Power Tolerance					0~5W					
Refer Bifacial Factor					80±5%					

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

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

Note: The electrical data in this catalog only serve for comparison among different module type.

They do not refer to any individual module and they are not part of the offer.

Double-Sided Power Generation Parameters (Rear gain)

5%	Maximum Power (P _{max})	604	609	614.25	619.5	624.75
	Module Efficiency (%)	23.37	23.57	23.78	23.98	24.18
15%	Maximum Power (P _{max})	661	667	673	679	684
	Module Efficiency (%)	25.60	25.82	26.04	26.27	26.49
25%	Maximum Power (P _{max})	719	725	731	738	744
	Module Efficiency (%)	27.82	28.07	28.31	28.55	28.79

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

Temperature Coefficient

Temperature Coefficient of I _{sc} (ΔI _{sc})	0.046%/°C
Temperature Coefficient of V _{oc} (ΔV _{oc})	-0.25%/°C
Temperature Coefficient of P _{max} (ΔP _{mp})	-0.29%/°C

Snow load, frontside / Wind load, backside	5400Pa/2400Pa
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All specific descriptions involving technical modifications and testing conditions shall be subject to the final interpretation authority of DAH Solar

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