

DHN-60X16/DG/FS(BB) 475~495W

Full-Screen 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



Material & technology warranty



Linear power output warranty



Frameless design, installable both vertically & horizontally,
No water, no dust, snow slide fast, power generation increased by 6-15%



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



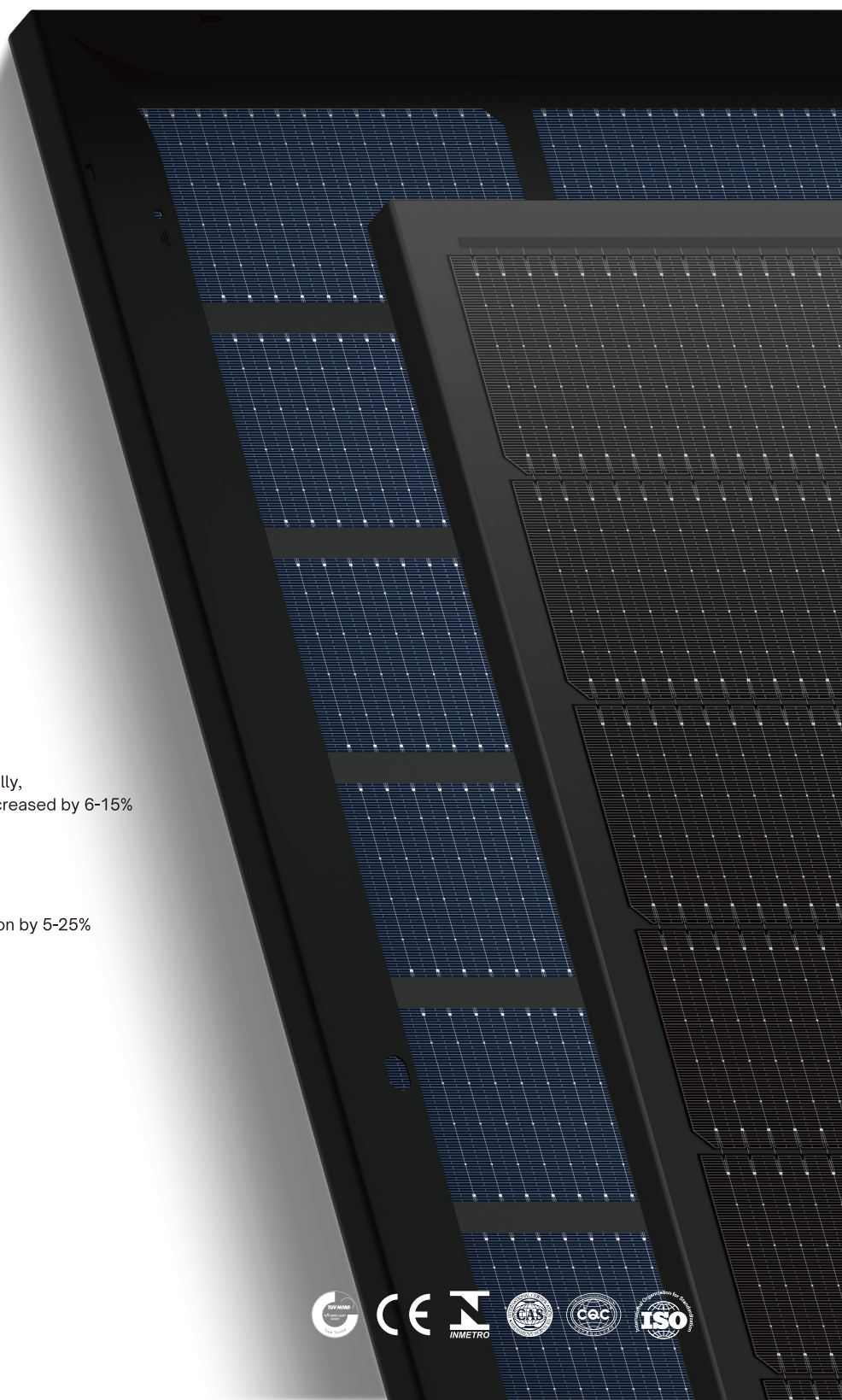
Double-glass Technology,
higher encapsulation blocking and mechanical strength



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

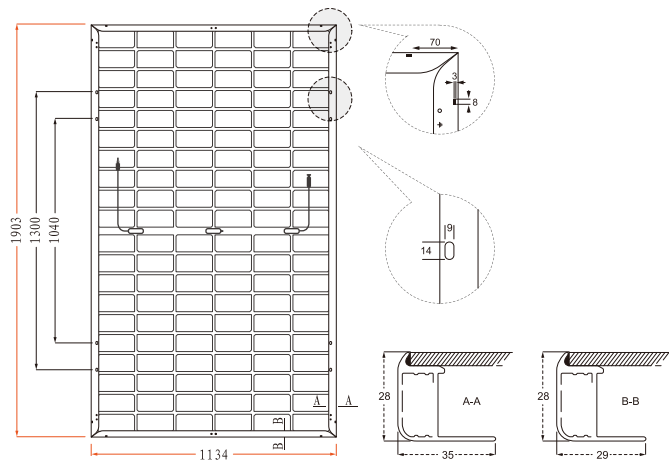


TOPCon cells, lower attenuation,
better temperature coefficient & dim light performance

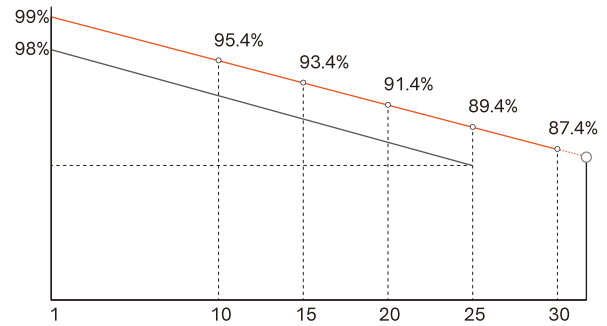


DHN-60X16/DG/FS(BB) 475~495W

Design



30-Year Linear Power Output Warranty



— DAH Solar linear power output guarantee
— Standard linear power output guarantee

Mechanical Specification

No. of Cells	120 (6×20)
Weight	26.5kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	1903×1134×28mm
Packing	37pcs/pallet, 888pcs/40HQ

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

Electrical Characteristics

Module Type	DHN-60X16/DG/FS(BB)									
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	475	357	480	361	485	365	490	368	495	372
Open-circuit Voltage (Voc/V)	42.6	40.47	42.8	40.66	43.0	40.85	43.2	41.04	43.4	41.23
Maximum Power Voltage (Vmp/V)	36.2	34.39	36.4	34.58	36.6	34.77	36.8	34.96	37.0	35.15
Short-circuit Current (Isc/A)	13.96	11.27	14.02	11.32	14.08	11.37	14.14	11.42	14.20	11.46
Maximum Power Current (Imp/A)	13.12	10.39	13.19	10.44	13.25	10.49	13.32	10.54	13.38	10.59
Module Efficiency (STC)	22.01%		22.24%		22.47%		22.71%		22.94%	
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

Double-Sided Power Generation Parameters (Rear gain)

5%	Maximum Power (P _{max})	499	504	509	515	520
	Module Efficiency (%)	23.11	23.35	23.60	23.84	24.08
15%	Maximum Power (P _{max})	546	552	558	564	569
	Module Efficiency (%)	25.31	25.58	25.85	26.11	26.38
25%	Maximum Power (P _{max})	594	600	606	613	619
	Module Efficiency (%)	27.51	27.80	28.09	28.38	28.67

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} (α _{Isc})	0.046%/°C
Temperature Coefficient of V _{oc} (β _{Voc})	-0.25%/°C
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.29%/°C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa