

DHN-I66Z16/DG/FS 610~620W

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%



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

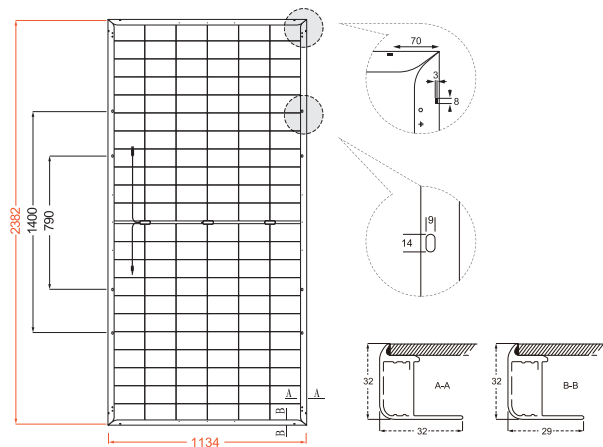


TOPCon cells, lower attenuation,
better temperature coefficient & dim light performance

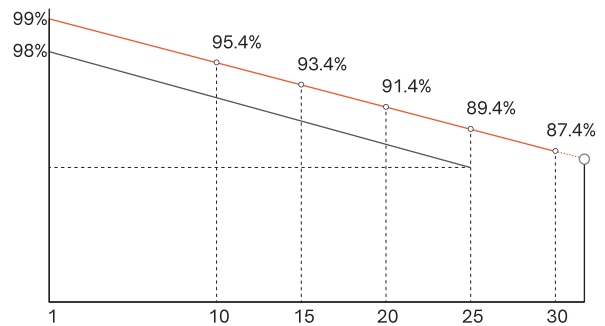


DHN-I66Z16/DG/FS 610~620W

Design



30-Year Linear Power Output Warranty



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

Mechanical Specification

No. of Cells	132 (6×22)
Weight	32.3kg
Cells Type	N-type 182×105mm
Dimension (L×W×T)	2382×1134×32mm
Packing	33pcs/Pallet, 660pcs/40HQ

Cable(Including connector)	4.0mm ² , 1400/1400mm in length, length can be customized
Glass	2.0mm High Transmission, Antireflection Coating
Junction Box	IP68, 6 Bypass Diodes
Connector	MC4 Compatible

Electrical Characteristics

Module Type	DHN-I66Z16/DG/FS-610W		DHN-I66Z16/DG/FS-620W	
Test conditions	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	610	460	620	467
Open-circuit Voltage (Voc/V)	96.4	91.6	97.2	92.3
Maximum Power Voltage (Vmp/V)	81.8	77.7	82.6	78.5
Short-circuit Current (Isc/A)	7.94	6.41	8.00	6.46
Maximum Power Current (Imp/A)	7.46	5.92	7.51	5.95
Module Efficiency (STC)	22.58		22.95	
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 (Pmax)	641	651
	Module Efficiency (%)	23.7	24.1
15%	Maximum Power (Pmax)	701.5	713.0
	Module Efficiency (%)	26.0	26.4
25%	Maximum Power (Pmax)	762.5	775.0
	Module Efficiency (%)	28.2	28.7

Operating Parameters

Maximum System Voltage	1500V DC
Operating Temperature	-40 ~ +85°C
Maximum Series Fuse Rating	15A
Nominal Operating Cell Temperature	45°C±2°C
Application Level	Class A

Temperature Coefficient

Temperature Coefficient of Isc (αIsc)	0.046%/°C
Temperature Coefficient of Voc (βVoc)	-0.25%/°C
Temperature Coefficient of Pmax (γPmp)	-0.29%/°C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa