

# DHN-66Z16/DG/FS(BW) 600~635W Full-Screen 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



Dispatched with Module



The side slotting is combined with an embedded pressure block, allowing for installation without the need for gaskets



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



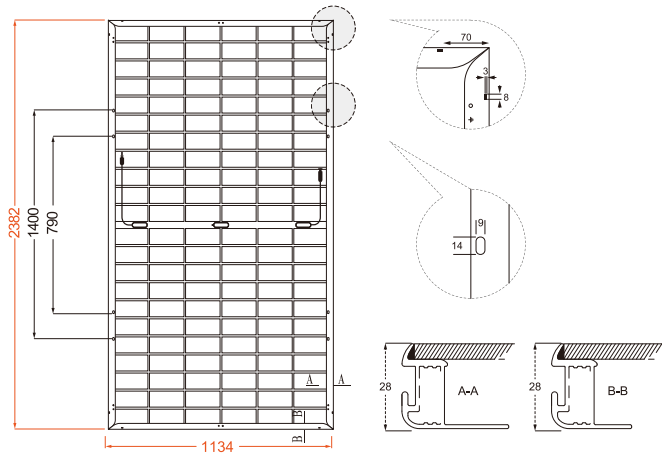
Bifacial Rate Up to 85% and More Back Power Generation by 5-25%



Double-glass Technology,  
higher encapsulation blocking and mechanical strength

# DHN-66Z16/DG/FS(BW) 600~635W

## 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)	2382×1134×28mm
Packing	37pcs/Pallet, 740pcs/40HQ

Cable (Including connector)	4.0mm <sup>2</sup> , 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-66Z16/DG/FS(BW)															
	STC		NOCT		STC		NOCT		STC		NOCT					
Test conditions	600	452	605	456	610	460	615	463	620	467	625	471	630	475	635	479
Maximum Power (P <sub>max</sub> /W)	47.8	45.4	48.0	45.6	48.2	45.8	48.4	46.0	48.6	46.2	48.8	46.4	49.0	46.6	49.2	46.7
Open-circuit Voltage (V <sub>oc</sub> /V)	40.5	38.5	40.7	38.7	40.9	38.9	41.1	39.0	41.3	39.2	41.5	39.4	41.7	39.6	41.9	39.8
Maximum Power Voltage (V <sub>mp</sub> /V)	15.76	12.72	15.82	12.77	15.88	12.82	15.94	12.87	16.00	12.92	16.06	12.97	16.12	13.01	16.18	13.06
Short-circuit Current (I <sub>sc</sub> /A)	14.81	11.75	14.86	11.79	14.91	11.83	14.96	11.87	15.01	11.91	15.06	11.95	15.11	11.98	15.16	12.02
Maximum Power Current (I <sub>mp</sub> /A)	Module Efficiency (STC)	22.21	22.40	22.58	22.77	22.95	23.14	23.32	23.51							
Refer Bifacial Factor	80±5%															

STC-Standard Test Environment: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, Spectrum AM1.5  
 NOCT-Standard Test Environment: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

## Double-Sided Power Generation Parameters (Rear gain)

5%	Maximum Power (P <sub>max</sub> )	630	635	641	646	651	656	662	667
	Module Efficiency (%)	23.3	23.5	23.7	23.9	24.1	24.3	24.5	24.7
15%	Maximum Power (P <sub>max</sub> )	690.0	695.8	701.5	707.3	713.0	718.8	724.5	730.3
	Module Efficiency (%)	25.5	25.8	26.0	26.2	26.4	26.6	26.8	27.0
25%	Maximum Power (P <sub>max</sub> )	750.0	756.3	762.5	768.8	775.0	781.3	787.5	793.8
	Module Efficiency (%)	27.8	28.0	28.2	28.5	28.7	28.9	29.2	29.4

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