DAH solar | Full-Screen PV Module

www.dahsolarpv.com

DAH SOLAR GLOBAL PATENTS FULL-SCREEN PV MODULE

TIER 1 BloombergNEF

DHN-66Z16/DG/FS

585~625W

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

15 Material & technology warranty

30 Linear power output warranty

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

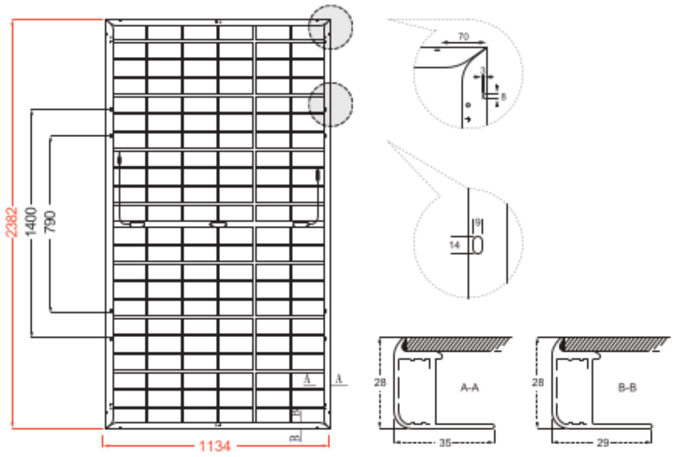
TOPCon cells double-sided rate up to 85% and
more back power generation by 5-25%

Double-glass Technology,
higher encapsulation blocking and mechanical strength

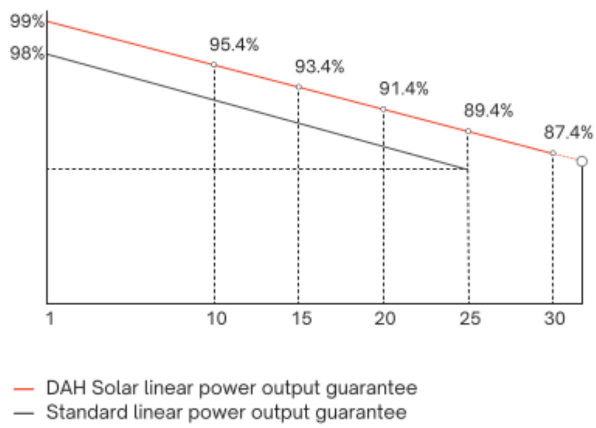
TOPCon cells, lower attenuation,
better temperature coefficient & dim light performance

DHN-66Z16/DG/FS 585~625W

Design



30-Year Linear Power Output Warranty



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)	4.0mm², 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																	
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	585	441	590	445	595	448	600	452	605	456	610	460	615	463	620	467	625	471
Open-circuit Voltage (Voc/V)	47.2	44.8	47.4	45.0	47.6	45.2	47.8	45.4	48.0	45.6	48.2	45.8	48.4	46.0	48.6	46.2	48.8	46.4
Maximum Power Voltage (Vmp/V)	39.9	37.9	40.1	38.1	40.3	38.3	40.5	38.5	40.7	38.7	40.9	38.9	41.1	39.0	41.3	39.2	41.5	39.4
Short-circuit Current (Isc/A)	15.58	12.58	15.64	12.63	15.70	12.68	15.76	12.72	15.82	12.77	15.88	12.82	15.94	12.87	16.00	12.92	16.06	12.97
Maximum Power Current (Imp/A)	14.66	11.63	14.71	11.67	14.76	11.71	14.81	11.75	14.86	11.79	14.91	11.83	14.96	11.87	15.01	11.91	15.06	11.95
Module Efficiency (STC)	21.66		21.84		22.03		22.21		22.40		22.58		22.77		22.95		23.14	
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)	614	620	625	630	635	641	646	651	656
	Module Efficiency (%)	22.7	22.9	23.1	23.3	23.5	23.7	23.9	24.1	24.3
15%	Maximum Power (Pmax)	672.8	678.5	684.3	690.0	695.8	701.5	707.3	713.0	718.8
	Module Efficiency (%)	24.9	25.1	25.3	25.5	25.8	26.0	26.2	26.4	26.6
25%	Maximum Power (Pmax)	731.3	737.5	743.8	750.0	756.3	762.5	768.8	775.0	781.3
	Module Efficiency (%)	27.1	27.3	27.5	27.8	28.0	28.2	28.5	28.7	28.9

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 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

DAH solar
www.dahsolarpv.com

HÖTAS

Hötas Industrieprodukte
Am Trieb 4, 97535, Wasserlosen OT Rütschenhausen, Deutschland
E-Mail: info@hötas.de; Webseite: www.hötas.de
Telefon: +49 151 111 02 709