

DHN-66Y18/DG 690~720W

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



TOPCon cells double-sided rate up to 85% and more back power generation by 5-20%



Double-glass Technology, higher encapsulation blocking and mechanical strength



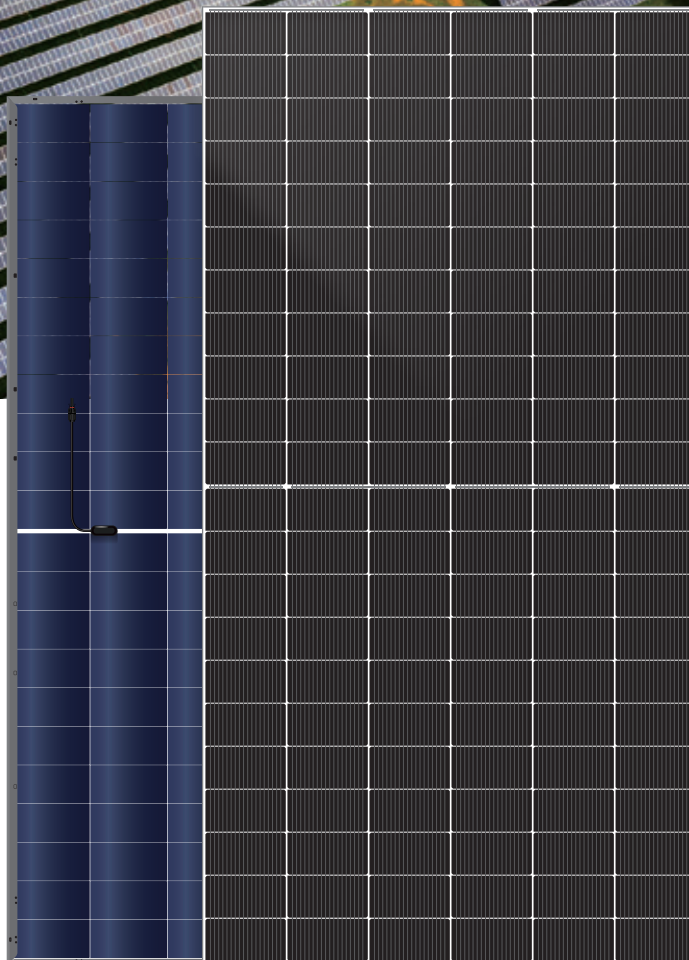
Higher performance in anti hidden cracking, acid and alkali, salt spray, water vapor, UV, PID



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

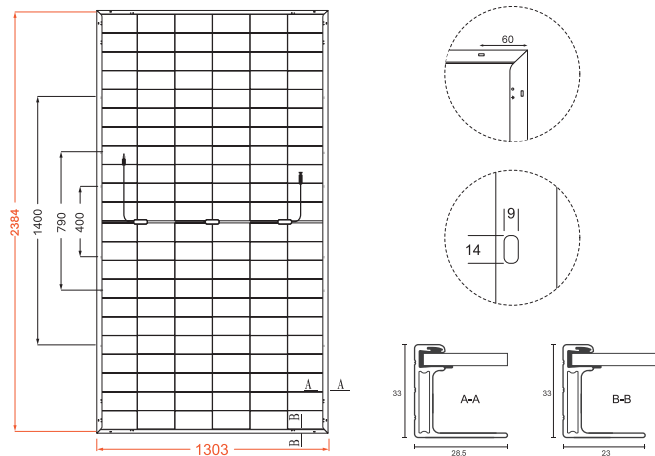


LECO laser assisted sintering technology, reduces contact resistance and improves efficiency by 0.2% -0.5%

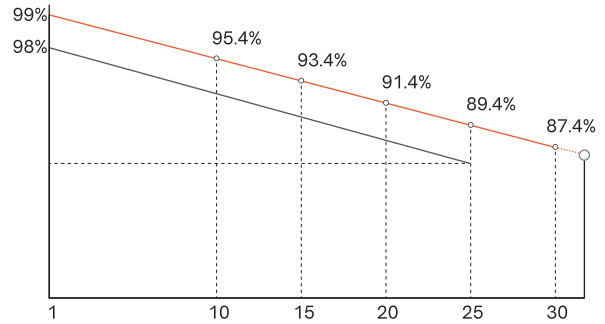


DHN-66Y18/DG 690~720W

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	36.7kg
Cells Type	N-type 210×105mm
Dimension (L×W×T)	2384×1303×33mm
Packing	33pcs/Pallet, 594pcs/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-66Y18/DG															
	STC		NOCT		STC		NOCT		STC		NOCT		STC		NOCT	
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P _{max} /W)	690	521	695	525	700	528	705	532	710	536	715	540	720	544	720	544
Maximum Power Voltage (V _{mp} /V)	39.6	37.4	39.8	37.6	40.0	37.8	40.2	37.9	40.4	38.1	40.6	38.3	40.8	38.5	40.8	38.5
Maximum Power Current (I _{mp} /A)	17.43	13.94	17.47	13.97	17.51	14.00	17.55	14.03	17.59	14.06	17.63	14.09	17.67	14.12	17.67	14.12
Open-circuit Voltage (V _{oc} /V)	47.5	44.9	47.7	45.1	47.9	45.3	48.1	45.5	48.3	45.7	48.5	45.8	48.7	46.0	48.7	46.0
Short-circuit Current (I _{sc} /A)	18.39	14.83	18.44	14.87	18.49	14.91	18.54	14.95	18.59	14.99	18.64	15.03	18.69	15.07	18.69	15.07
Module Efficiency (STC)	22.20%		22.40%		22.50%		22.70%		22.90%		23.00%		23.20%		23.20%	
Refer Bifacial Factor	80%															

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)

Gain	Parameter	725	730	735	740	746	751	756
5%	Maximum Power (P _{max})	725	730	735	740	746	751	756
	Module Efficiency (%)	23.3	23.5	23.7	23.8	24.0	24.2	24.3
10%	Maximum Power (P _{max})	759	765	770	776	781	787	792
	Module Efficiency (%)	24.4	24.6	24.8	25.0	25.1	25.3	25.5
20%	Maximum Power (P _{max})	828	834	840	846	852	858	864
	Module Efficiency (%)	26.7	26.8	27.0	27.2	27.4	27.6	27.8

Operating Parameters

Maximum System Voltage	1500V DC
Operating Temperature	-40 ~ +70°C
Maximum Series Fuse Rating	35A
Nominal Operating Cell Temperature	45°C±2°C
Application Level	Class A

Temperature Coefficient

Temperature Coefficient of I _{sc} (ΔI _{sc})	0.05%/°C
Temperature Coefficient of V _{oc} (βV _{oc})	-0.26%/°C
Temperature Coefficient of P _{max} (γP _{mp})	-0.30%/°C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa