Features:

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

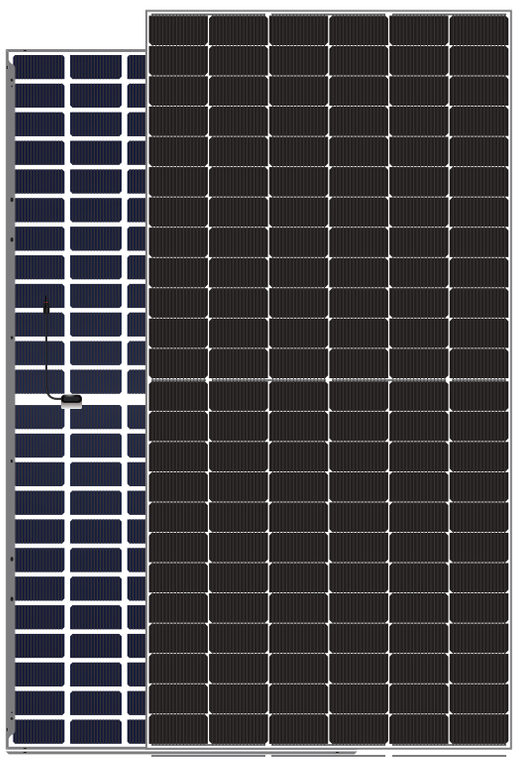
Double-glass Technology, higher encapsulation blocking and mechanical strength

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

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

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

BR580W#BPVD



Mechanical Specification

No.of Cells	144 (6×24)
Weight	31.2kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	2278×1134×30mm
Packing	36pcs/Pallet, 720pcs/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	BR580W#BPVD	
Test conditions	STC	NOCT
Maximum Power (Pmax/W)	580	436
Open-circuit Voltage (Voc/V)	51.4	48.8
Maximum Power Voltage (Vmp/V)	43.6	41.4
Short-circuit Current (Isc/A)	14.14	11.42
Maximum Power Current (Imp/A)	13.30	10.53
Module Efficiency (STC)	22.45%	
Refer Bifacial Factor	80±5%	

STC-Standard Test Environment: Irradiance 1000W m², Cell temperature 25°C, Spectrum AM1.5
NOC-Standard Test Environment: Irradiance 800W m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m s

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

BR580W#BPVD

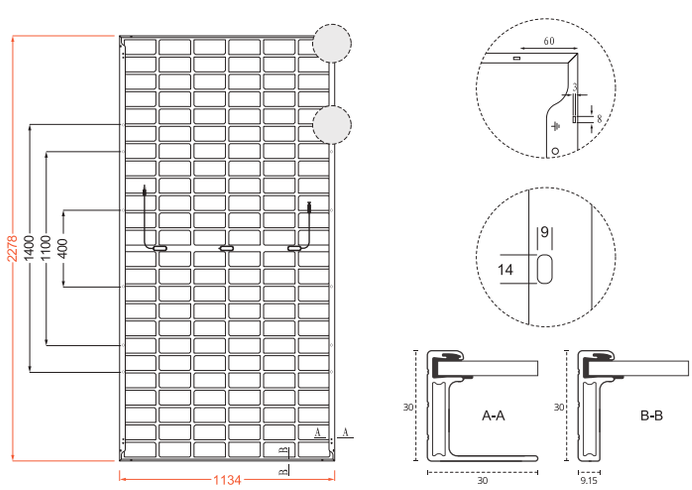
Double-Sided Power Generation Parameters (Rear gain)

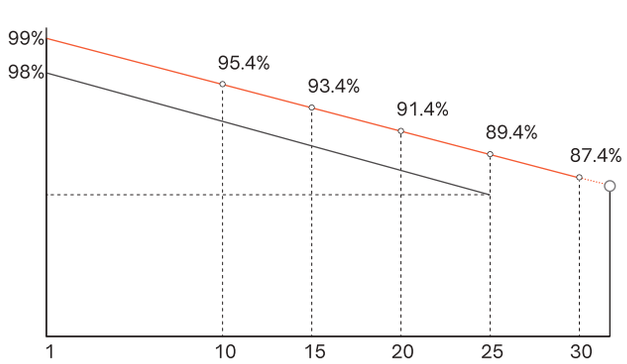
5%	Maximum Power (Pmax)	609
	Module Efficiency (%)	23.57
15%	Maximum Power (Pmax)	667
	Module Efficiency (%)	25.82
25%	Maximum Power (Pmax)	725
	Module Efficiency (%)	28.07

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

Design





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