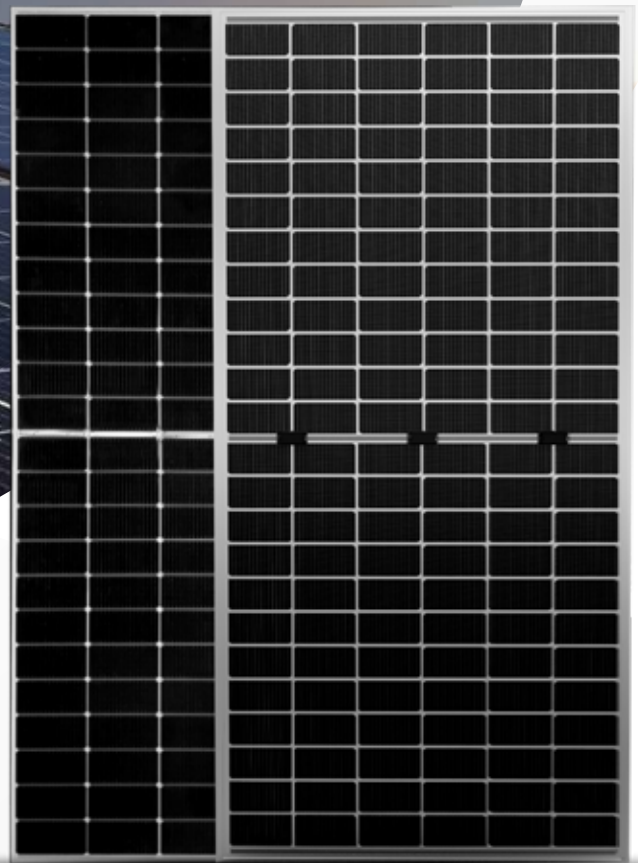




The Crown Anti Dust Bi-Facial PV Module

RATED POWER **610W-625W**

The Crown Vista TOPCon solar panels feature globally patented Full Screen Technology. No dust or snow accumulation ensures maximum sunlight exposure, increasing power generation.



N-Type 182*210mm Cell
Adopting the 182*210mm N-Type TOPCon solar cells with the highest efficiency.



Bifacial with dual glass
Module adopts 182*210mm half cells, bifacial module provide an additional 5%-25% output.



Harsh Environmental Adaptability
Strict salt spray and ammonia corrosion test by TUV Nord.



Low Light Features
Higher performance under low light environment.



PID Protection
Ensure the attenuation probability caused by PID phenomenon is minimized.

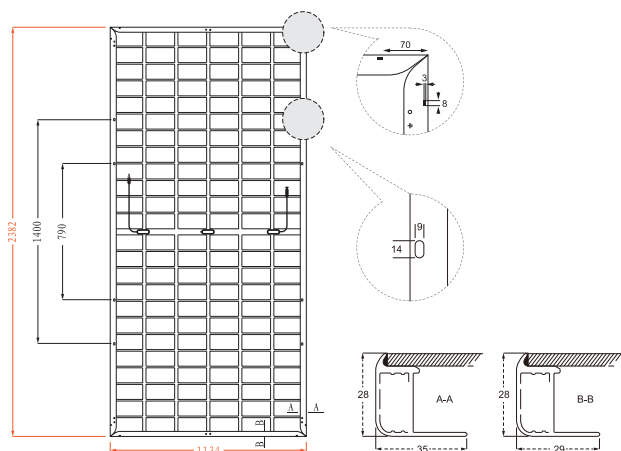


Comprehensive Products & System Certificates

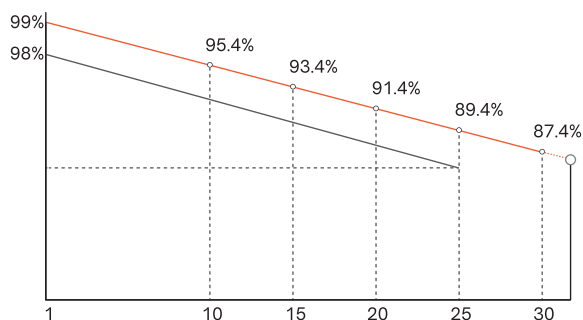
IEC 61215 / IEC 61730 / CE / INMETRO
ISO 45001
2018/international standards for occupational health & safety
ISO 14001
2015/Standards for environmental management system
ISO 9001
2015/Quality management system

CSE-VistaX-BF 610W~625

Design



30-Year Linear Power Output Warranty



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

Mechanical Specification

No. of Cells	144 (6×24)
Weight	32.3kg
Cells Type	N-type 182×95.8mm
Dimension (L×W×T)	2382×1134×28mm
Packing	37pcs/pallet, 740pcs/40HQ

Cable	4.0mm ² , 300/200mm in length, (Including connector) length can be customized
Glass	2.0mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible

Electrical Characteristics

Module Type	CSE-VistaX-BF 610W~625							
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P _{max} /W)	610	459	615	462	620	466	625	470
Open-circuit Voltage (V _{oc} /V)	52.4	49.8	52.6	50.0	52.8	50.2	53.0	50.4
Maximum Power Voltage (V _{mp} /V)	44.6	42.4	44.8	42.6	45.0	42.8	45.2	42.9
Short-circuit Current (I _{sc} /A)	14.72	11.88	14.78	11.93	14.84	11.98	14.90	12.03
Maximum Power Current (I _{mp} /A)	13.68	10.83	13.73	10.87	13.78	10.91	13.83	10.95
Module Efficiency (STC)	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 (P _{max})	641	646	651	656
	Module Efficiency (%)	23.7	23.9	24.1	24.3
15%	Maximum Power (P _{max})	701.5	707.3	713.0	718.8
	Module Efficiency (%)	26.0	26.2	26.4	26.6
25%	Maximum Power (P _{max})	762.5	768.8	775.0	781.3
	Module Efficiency (%)	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 I _{sc} (αI _{sc})	0.046%/°C
Temperature Coefficient of V _{oc} (βV _{oc})	-0.25%/°C
Temperature Coefficient of P _{max} (γP _{mp})	-0.29%/°C
Snow load, frontside / Wind load, backside	5400Pa/2400Pa

