



## The Crown Anti Dust Bi-Facial PV Module

### RATED POWER 575W-595W

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

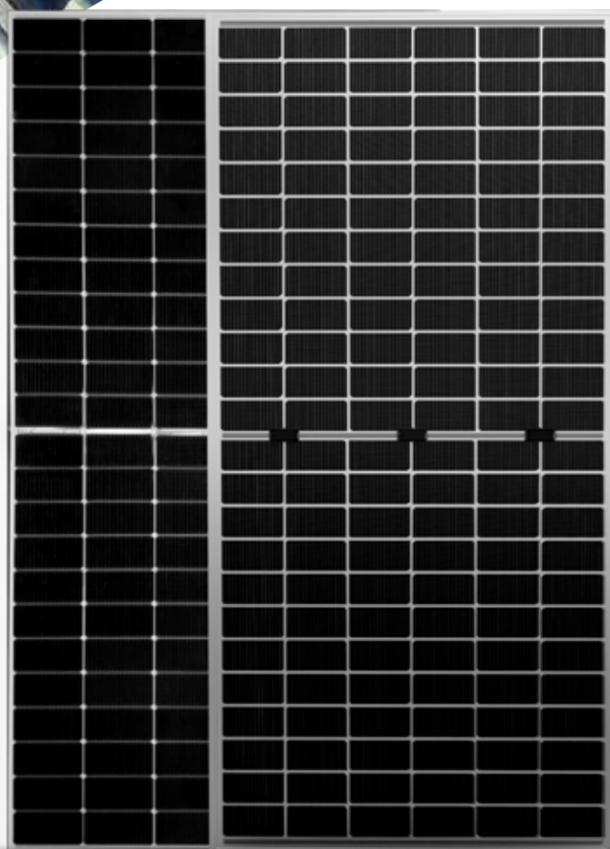
Frameless design, installable both vertically & horizontally. No water, no dust, snow slide fast, power generation increased by 6-15%

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

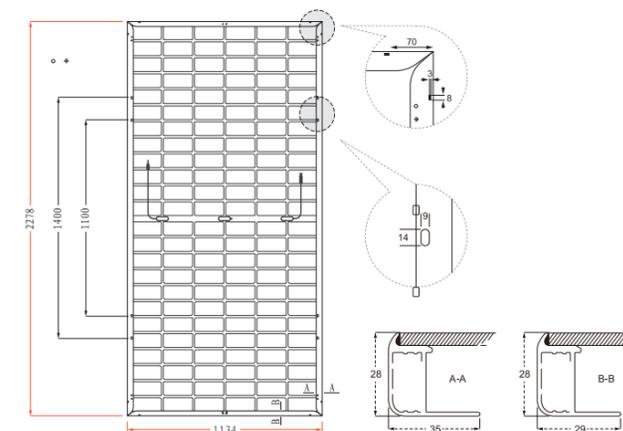
Higher performance in anti hidden cracking, acid and alkali, salt spray, water vapor, UV, PID

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

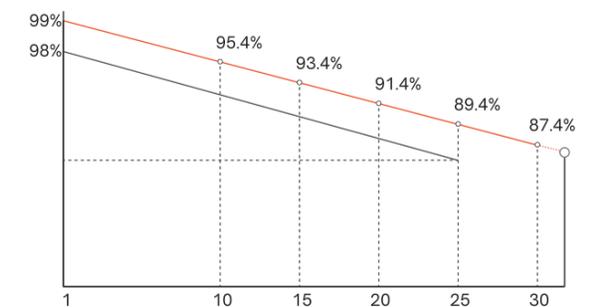


## CSE-VistaX-BF 575W~595W

### 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	30.5kg
Cells Type	N-type 182×91mm
Dimension (L×W×T)	2278×1134×28mm
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-72X16/DG/FS											
	STC		NOCT		STC		NOCT		STC		NOCT	
Test conditions	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax/W)	575	432	580	436	585	440	590	444	595	447	595	447
Open-circuit Voltage (Voc/V)	51.2	48.6	51.4	48.8	51.6	49.0	51.8	49.2	52.0	49.4	52.0	49.4
Maximum Power Voltage (Vmp/V)	43.4	41.2	43.6	41.4	43.8	41.6	44.0	41.8	44.2	42.0	44.2	42.0
Short-circuit Current (Isc/A)	14.08	11.37	14.14	11.42	14.20	11.46	14.26	11.51	14.32	11.56	14.32	11.56
Maximum Power Current (Imp/A)	13.25	10.49	13.30	10.53	13.36	10.57	13.41	10.61	13.46	10.66	13.46	10.66
Module Efficiency (STC)	22.26%		22.45%		22.65%		22.84%		23.02%		23.02%	
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 (Pmax)		604		609		614.25		619.5		624.75	
	Module Efficiency (%)		23.37		23.57		23.78		23.98		24.17	
15%	Maximum Power (Pmax)		661		667		673		679		684	
	Module Efficiency (%)		25.60		25.82		26.04		26.27		26.48	
25%	Maximum Power (Pmax)		719		725		731		738		744	
	Module Efficiency (%)		27.82		28.07		28.31		28.55		28.78	

### 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