

BC Monocrystalline Solar Panel

100W

Power

18V

Voltage

5.56A

Current

>24%

Cell Efficiency

The Main Features

BC
Adopt the most advanced BC (Back Contact) technology

Is a type of solar cell where all the electrical contacts are located on the back of cell


Cell Efficiency >24%

Without busbars on the front, get high power generation efficiency, up to 24%


Stronger surface resistance to mechanical loads

It has passed the certification of 2400Pa snow load and 2400Pa wind load


High reliability and weather resistance

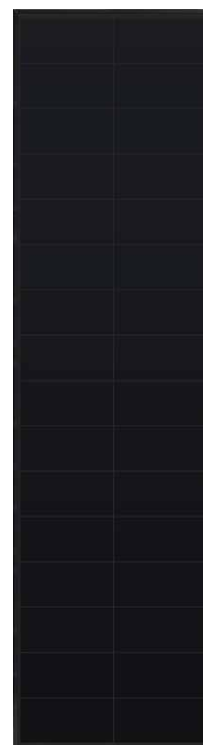
Through dust, salt fog, ammonia corrosion test, can effectively deal with the harsh environment


The hail test

It passed the hail test with a diameter of 45mm and a speed of 25m/s


Lower temperature coefficient

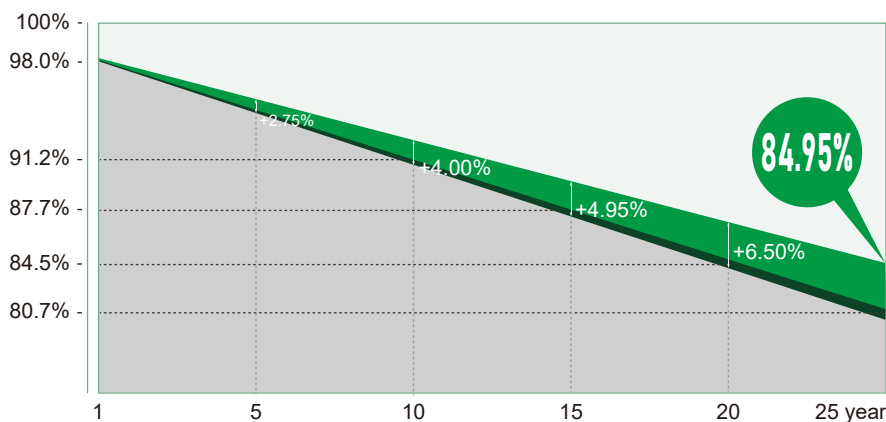
Better temperature coefficient makes the power attenuation less at high temperature



Quality Guarantee

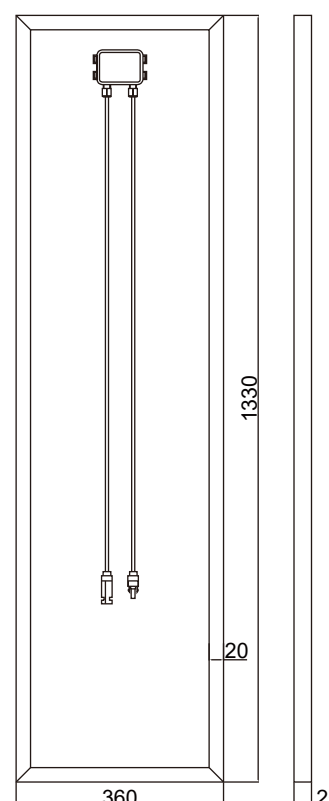
12-year materials & quality warranty

25-year linear power output warranty


 linear power output guarantee Industry

 standard linear power output guarantee

Product Certification

CE
RoHS
ISO
IEC
SGS
LV


Electrical Characteristics

MODEL	CZ100W
Maximum Power/Pmax	100W
Optimum Operating Voltage/Vmp	18V
Optimum Operating Current/Imp	5.56A
Open Circuit Voltage/Voc	21.6V
Short Circuit Current/Isc	6.12A
Cell Efficiency	>24%
Power Tolerance	0~+3W
Maximum Series Fuse Rating	15A
Maximum System Voltage	1000VDC
* STC: Irradiance 1000W/m ² , Cell Temperature 25°C, AM 1.5	

Mechanical Characteristics

Solar Cells	BC solar cells
Number of cells	32(16*2)
Cell Dimension	166*83mm
Dimension	1330*360*25mm
Weight	4.7kg
Frame Material	Clear anodized aluminium frame
Glass	Low-iron tempered glass/3.2mm
Laminating Material	EVA (Light transmittance more than 95%)
Backsheet Material	TPT (High weather resistance)
Junction Box	≥IP65 (1500V system voltage available)
Cable	90cm 2x2.5mm ² cable
Connector	MC4 connector

Maximum Data

Operating Temperature	-40 °C to +85 °C	°C
Insulation Cut Voltage	1000	DC
Maximum Wind Resistance	60m/s	N/m ² or max KM/h
Surface Maximum Load Capacity	200	Kg/m ²
Maximum Hail Load Capacity	5mm	80km/h

Temperature Characteristics

Nominal Operating Cell Temperature(NOTC)	48±2 °C
Coefficient Current TK	0.1%/°C
Coefficient Voltage TK	-0.37%/°C
Coefficient Power TK	-0.45%/°C

I-V Curve

