DAITTO
Technology Changes Life

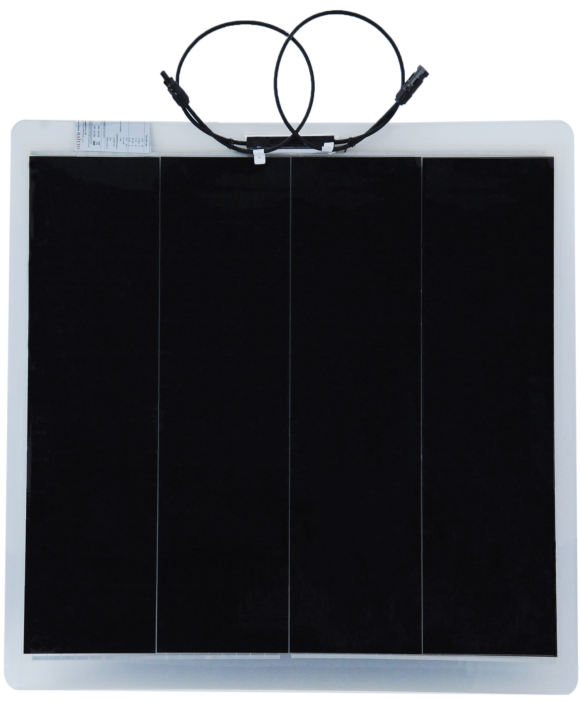
DA-BW/BB/BT-110

Solar Cell conversion efficiency

Up to 25.4% Tier 1 Solar Cell

30 Years Power Output Warranty

12 Years Material and Workmanship Warranty



Anti-Dust Technology
Minimizes dirt accumulation, reducing cleaning frequency and mainten costs

HPBC + Anti cracking film Inside
Advanced back contact cell technology for superior efficiency and power output

Durability
Rigorously tested to withstand extreme conditions, undergoing tests like hail, thermal cycles, and salt spray corrosion

Enhanced Warranties
12-year product warranty and 30-year power output warranty

Prevent glare
While providing good transparency, it can also effectively prevent glare, thus having the effect of preventing dizziness

Key Features The DAITTO 110-Watt Lightweight Monocrystalline Solar Panel achieves compact thickness and extreme lightweight.This solar panel features high efficiency (BC Cells) monocrystalline silicon solar cells.This product promotes renewable energy deployment.

Potential Uses The DAITTO 110-Watt Lightweight Solar Panel is primarily designed for Balcony solar power systems in transportation applications.Applications includepower systems in residential rooftops, RVs, boats, van conversions, and weight sensitive structures.

Product characteristics

Lightweight and ultra-thin design
The component weight is as light as 1.5kg in weight and as thin as 1.5mm, meeting the requirements of various low load projects.

Customization
Products can be customized to meet the needs of different application scenarios.

Ultra high flexibility
With ultra-thin silicon chip and advanced organic polymer materials, the component can perfectly fit various curved roofs.

Easy installation
Due to convenience and quickness, the costs of installation and transport are greatly reduced.

Efficient and reliable
It is improving the battery conversion efficiency. The power generation performance is excellent under low light conditions.

Weak light generates strong electricity, generating an extra hour of electricity in the morning and evening
BC Cell products have fewer composite centers in their components, resulting in a significant increase in relative power generation efficiency under low light conditions, with a maximum of 2.01%

Long lasting and stable quality

- Through various long-term reliability tests
- The reliability of components is effectively ensured under EL test before and after lamination.
- ISO 9001,CE
- Fully automatic production line and the leading photovoltaic technology

Electrical Performance Parameter（STC）

Parameter Name	Unit	DA-BW/BB/BT-110
Maximum power（Pm）	W	110W
Power Deviation	W	0~+3w
Optimal working voltage（Vm）	V	32.39
Optimal working current（Im）	A	3.47
Open-circuit voltage（Voc）	V	42.35
Short-circuit current（Isc）	A	3.67

STC・AM=1.5，Irradiance1000W/㎡，Operating Temperature:25℃

Mechanical

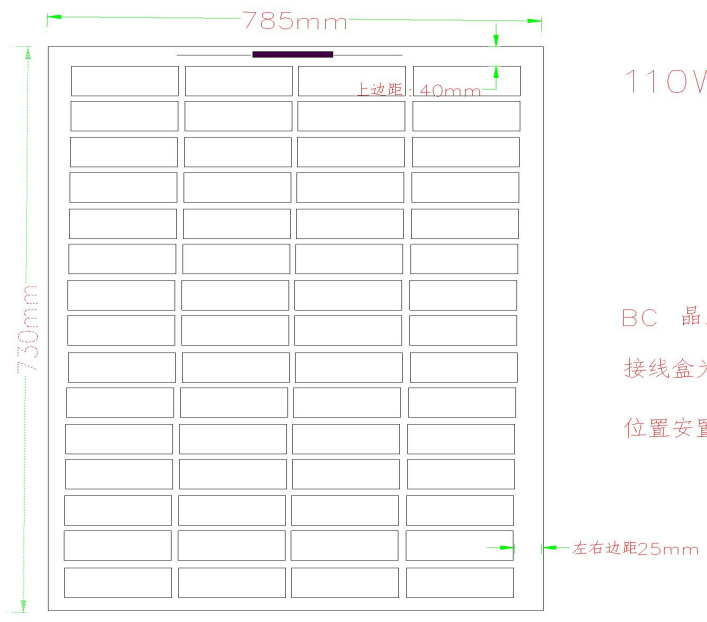
Cell array	182*42.93*4	Back board colour	Black/White/Transparent
Size	785*730*2.5mm/1.5mm	Terminal block	Protection grade IP67
Size of 68-piece box	1370*1168*1120mm	Cable	4㎜², Length 700mm
Front film	ETFE/PET front materials	Diode	2
Wind/snow pressure	2400mpa/5400mpa	Weight	1.5KG

Temperature coefficient

Battery nominal operating temperature	25±2℃
Current temperature coefficient （Isc）	+0.05%/℃
Voltage temperature coefficient	-0.32%/℃
Power factor（Pm）	-0.40%/℃

Working conditions

The largest system voltage	DC1500V（IEC）
The largest fuse rated current	20A
Operating temperature range	-40~+120℃
Connector	MC Compatible

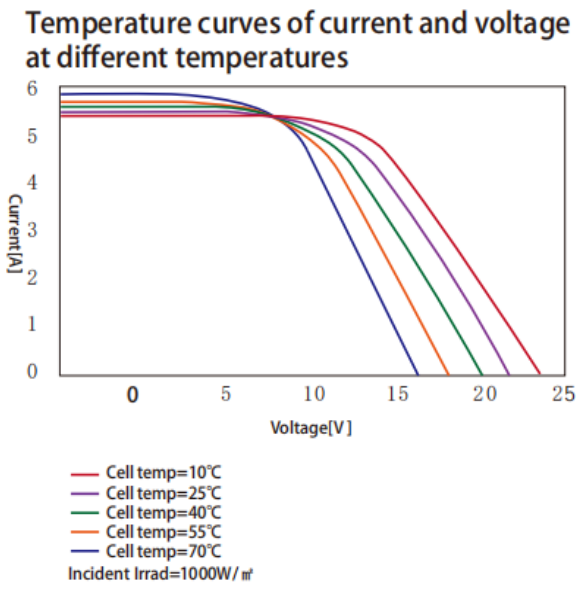


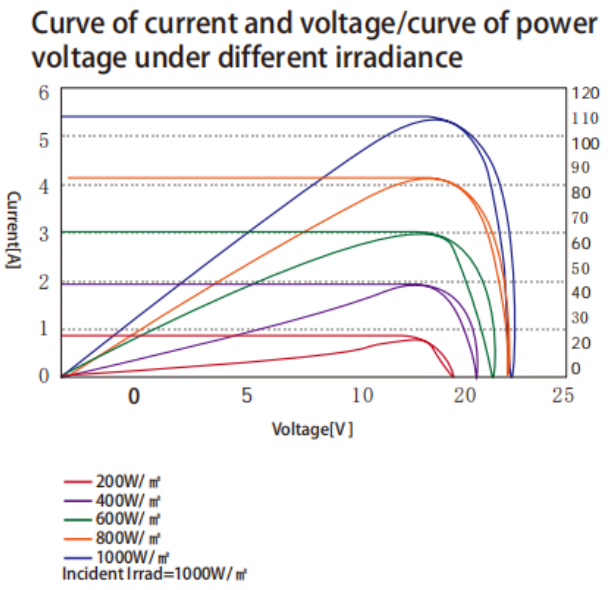
110W 30V 新型柔性板

BC 晶片尺寸182*42.93mm

接线盒为一字单个接线盒，

位置安置于晶片正面正上中央 （如左图）





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