

Power Your Journey Anytime Anywhere

Innovative Applications of BOE Perovskite Photovoltaics
in Outdoor Scenarios

Change Lives With Clean Energy



BOE Website

Ultra-thin & Lightweight

Flexible Form

Excellent Weather
Resistance



From wild camping to emergency rescue
Reliable power is always available

Suitable for outdoor camping, field operations, outdoor power supply, emergency rescue, etc.

01

Continuous Outdoor Power, eliminates Battery-Life Anxiety

02

Lightweight & Foldable, convenient for Travel and Camping

03

Excellent Low-Light Performance, available All Day in All Weather Conditions

04

Rugged, Durable & Reliable without micro-cracks

05

Full Parallel Design, Unaffected by Partial Shading

Product Parameters			
Product Model	Specification	BOE-F-C30	BOE-F-C100
Battery	Cell	Perovskite	Perovskite
	Efficiency (%)	16	16
	Cell Size (mm)	346*196	540*360
	Number of Sub-Cells	27	52
	Series-Parallel Structure	Full Series	26S2P
Electrical Parameters STC	Peak Operating Power (W)	31	100
	Peak Operating Voltage (V)	21.6	22.1
	Peak Operating Current (A)	1.44	4.52
	Open-Circuit Voltage (V)	27.4	27.4
	Short-Circuit Current (A)	1.58	4.98
Mechanical Parameters	Folded Dimension (with junction box) L × W × T(mm)	360*220*42	580*460*45
	Unfolded Dimension (with/without junction box) L × W × T(mm)	870*360*22/3	1720*580*40/2.5
	Weight (with junction box) (kg)	0.75	3.6
Structure	Type	4-fold	4-fold
	Electrical Connection	Parallel	Parallel
	Structure Composition	Polyester base fabric + encapsulant film + perovskite cell + encapsulant film + ETFE	
	Front Sheet	ETFT	ETFT
	Back Sheet	Polyester waterproof fabric	Polyester waterproof fabric
	Junction Box	USB/Type-C dual output: 5V/3A, 9V/2.2A, 3.3-11V/2A; single port max 20W, dual port max 8.5W	MC4
Temperature Coefficients	Temperature Coefficient of Pmax %/℃	-0.003	-0.003
	Temperature Coefficient of Voc/℃	0.001	0.001
	Temperature Coefficient of Isc%/℃	0	0
Warranty / Lifetime	3 Years		

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