


# Power Your Journey Anytime Anywhere

Innovative Applications of BOE Perovskite Photovoltaics  
in Outdoor Scenarios

## Change Lives With Clean Energy



BOE Website



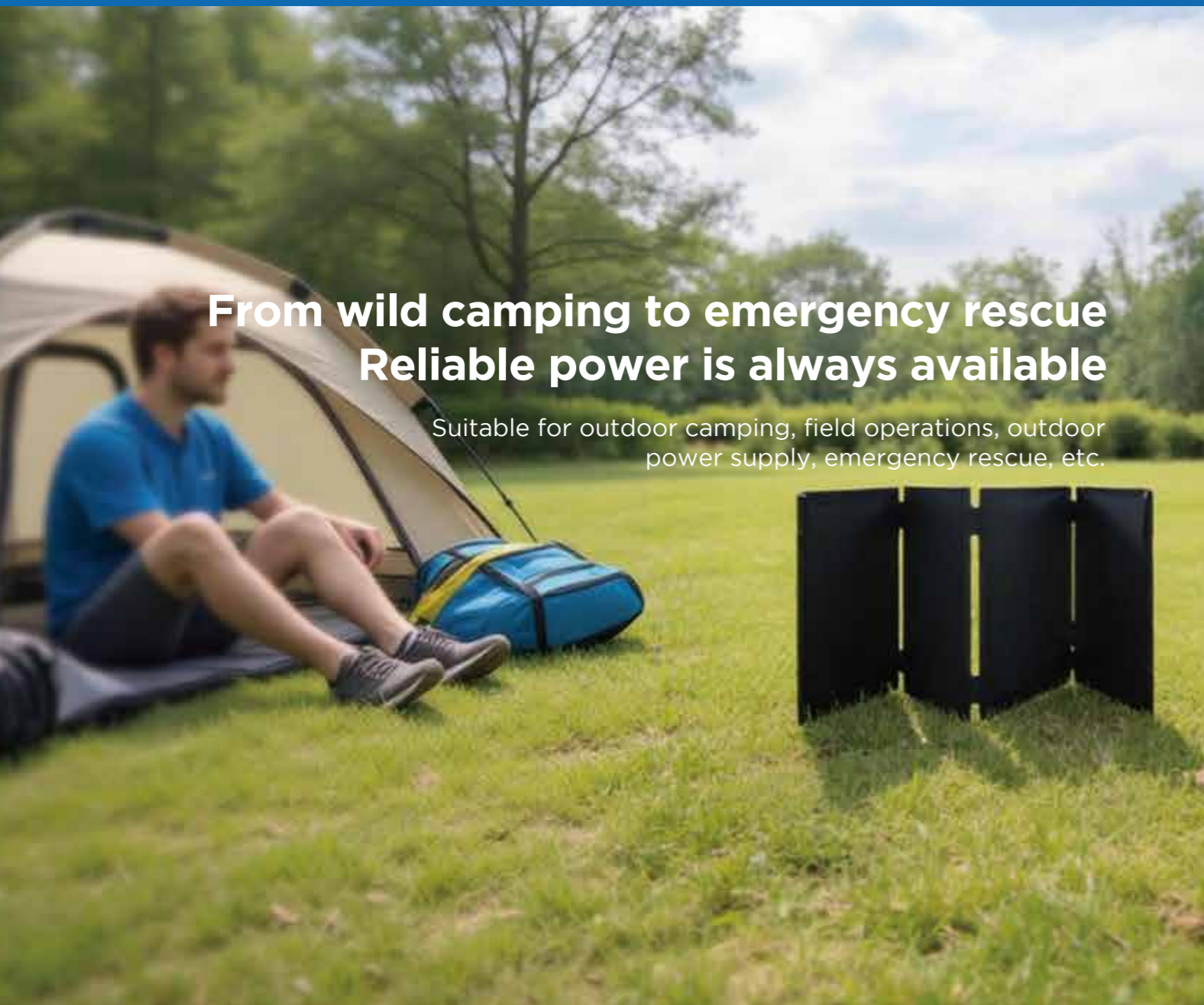
Ultra-thin & Lightweight



Flexible Form



Excellent Weather  
Resistance



Product Parameters

Product Model	Specification	BOE-F-C30	BOE-F-C100
<b>Battery</b>	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
<b>Electrical Parameters STC</b>	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
<b>Mechanical Parameters</b>	Folded Dimension (with junction box) L x W x T(mm)	360*220*42	580*460*45
	Unfolded Dimension (with/without junction box) L x W x T(mm)	870*360*22/3	1720*580*40/2.5
	Weight (with junction box) (kg)	0.75	3.6
<b>Structure</b>	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
	<b>Temperature Coefficients</b>	Temperature Coefficient of Pmax %/°C	-0.003
Temperature Coefficient of Voc/°C		0.001	0.001
Temperature Coefficient of Isc%/°C		0	0
<b>Warranty / Lifetime</b>	3 Years		

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



\*The images, data, and descriptions in this brochure are for design illustration and reference only. The company reserves the right to change product appearance, technical specifications, functional configuration, etc. Please refer to the final delivered product and the latest official announcements.