

Power Generation under Low Light Long-Lasting Endurance

Innovative Applications of BOE Perovskite Photovoltaics
in Low-Light Scenarios

Change Lives With Clean Energy



BOE Website



No Wiring Required



Battery-Free



Easy Installation



Low Maintenance

Excel in indoor low light
Power the Internet of Everything

| Superior Low-Light Adaptability

Starts generating power at low illuminance; performance in low light far exceeds traditional solutions

| Cost Reduction & Hassle-Free

No pre-buried wiring, no regular battery replacement, more cost-effective for long-term operation and maintenance

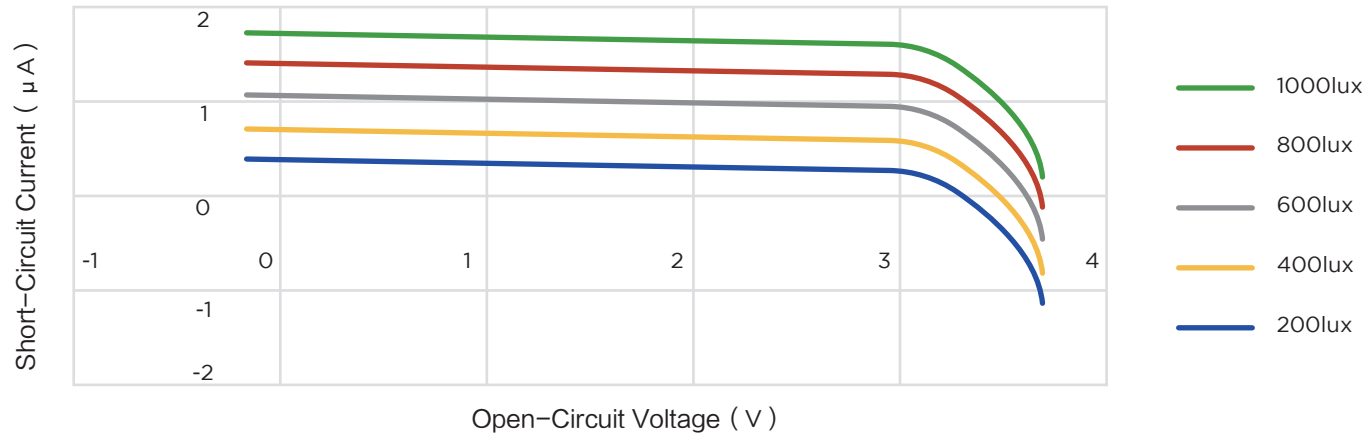
| Diversified Customization

Ultra-thin material, customizable size, integrated design for more seamless installation

| Safe, Long-Lasting & Durable

Class C low-voltage safety level, safe for human touch

I-V Curves Under Different Illuminance Levels



Product Parameters

Product Model	BOE-R-C24	
Battery	Cell	Perovskite
	Efficiency (%)	> 30% @ 300lux
	Cell Size (mm)	Customizable (Length & Width < 280mm)
	Number of Sub-Cells	Customizable
Electrical Parameters-STC	Operating Efficiency (300lux)	24µ W/cm²
	Peak Operating Voltage (V)	2.4-32
	Peak Operating Current (µA)	0.75-10
	Open-Circuit Voltage (V)	3-40
	Short-Circuit Current (µA)	1-12
Structure	Structure Composition	Glass + Perovskite Cell + Glass
	Front Sheet	Glass
	Back Sheet	Glass
	Wiring	Positive & Negative Leads
Temperature Coefficients	Temperature Coefficient of Pmax %/°C	-0.003
	Temperature Coefficient of Voc/°C	0.001
	Temperature Coefficient of Isc%/°C	0
Warranty / Lifetime	5 Years	



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