



Oasis Mini – Foldable Solar Power Station

Oasis Series BMT-G5/120A

The Oasis Mini is a lightweight, foldable solar power station built for courtyards, campsites, homestays, and distributed power applications. Compact for transport, fast to deploy, and easy to relocate, it brings clean energy wherever you need it—free from the constraints of permanent installations while preserving the beauty and experience of every space. Featuring scalable capacity and an all-in-one energy solution, Oasis Mini delivers flexible, reliable power for every scenario.



Rapid Deployment

- 1-Minute Deployment & Folding
- Two-Person Operation
- Flexible Relocation Capability



Flexible Configuration

- Multi-Mode Operation
- Parallel Expansion Capability
- Distributed Power Supply



Low-Impact Operation

- Low-Noise, Zero-Emission Operation
- Clean Energy Generation
- Minimal Site Disturbance



Lightweight & Durable Design

- Lightweight Aluminum Structure
- Corrosion-Resistant for Outdoor Applications
- Replaceable Modular Components



Structural Data	BMT-G5/120A
Folded Dimensions	2.44 × 0.845 × 1.64m
Deployed Dimensions	13.8 × 2.44 × 0.523–1.64m
Total Weight	350kg
Panel Tilt Angle	15° –90° , Adjustable
Number of PV Panels	10PCS × 570W
Structural Material	Aluminum Alloy
Integrated Wheel System	20 pcs, Wheel Diameter 150mm

Carbon Neutrality Performance	
30-Year Energy Yield	209,000kWh
Coal Equivalent Saved (30 Years)	55.3t
CO ₂ Emissions Avoided (30 Years)	142.0t

Electrical Data	
Installed Capacity	5.7kWp
Maximum Power (Pmax)	570W
Power/ m ² (W/ m ²)	232W/m ²
Voltage at Max Power (Vmpp)	38.13V
Current at Max Power (Impp)	14.95A
Voltage at Open Circuit (Voc)	44.55V
Current at Short Circuit (Isc)	15.62A

Safety Data	
Wind Resistance (Deployed)	Level 5
Maximum Static Load (Front/Rear)	2400Pa
Protection Class	II
Corrosion-resistat Class	C3
Design Life	25 Years
Storage Protection	Locking, Impact Protection, Position Limiting, Tie-Down & Cushioning Protection



Villa Courtyards



Cultural & Tourism Scenic Spots



Outdoor Campsites



Grassland Ranches



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