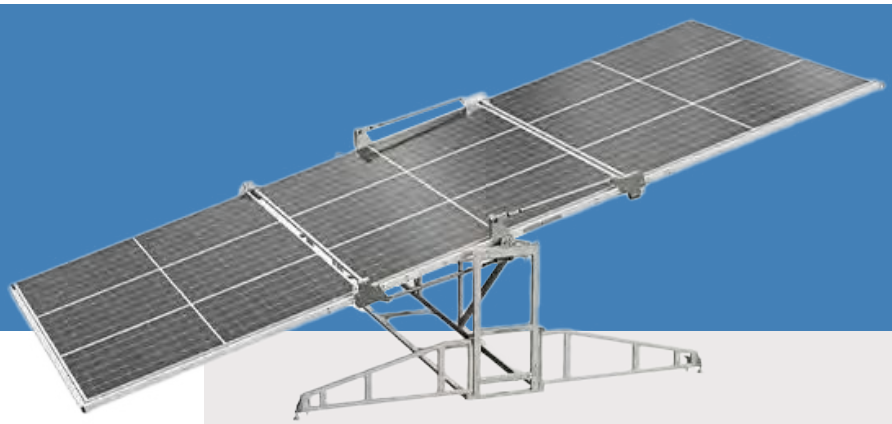
ATLAS POWER
Draw on our energy

PRODUCT SPECIFICATION DOCUMENT

SolarPad

Portable solar array for remote site energy



Clean energy where the grid can't reach.

The SolarPad is a lightweight, rapidly deployable solar array designed to supply renewable power to off-grid sites, microgrids, and Atlas battery systems.

Engineered for remote environments, it folds out in minutes to deliver 5 kW of peak solar generation – supporting silent, self-sustaining energy solutions wherever you operate.

Applications

- Construction (cranes, hoists, site power)
- Remote/off-grid energy
- Events and emergency power backup
- Generator hybridisation

Performance Highlights

- **564 kWh nominal capacity** with 625 kVA peak power
- Recharges in just **2 hours**
- Up to **96.6% efficiency**
- Silent, zero-emissions operation
- Built-in BMS and liquid thermal control
- Suitable for hybrid grid/genset integration

Technical Specifications

Power Generation	
Rated output	5 kW
Cell type	Monocrystalline silicon
Operating voltage	50–100 V DC (varies by configuration)
Peak conversion efficiency	> 21%
Integrated bypass diodes for shade tolerance	
Design & Integration	
Configured for direct connection to Atlas battery systems	
Pre-wired with MC4 connectors	
Suitable for standalone or hybrid use with gensets/grid	
Environmental	
Operating temperature	–40°C to +65°C
IP65-rated junction box	
UV and weather-resistant frame and surface	
Mechanical	
Total weight	600kg
Folded Dimensions (mm)	3738 x 690 x 2490
Expanded Dimensions (mm)	6680 x 3738 x 2400
Set-up time	10 mins (1 person)

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