

Rugged Portable Power Station

10kW System with Optional 12kW Expansion



Why choose this product?

The Rugged Portable Power Station delivers reliable off-grid energy in a compact, deployable system. A 10kW inverter and high-capacity lithium battery provide stable AC and DC power for field equipment, communications systems, and mobile operations. An optional 12kWh expansion battery increases capacity and runtime for demanding deployments. Built in a rugged enclosure with integrated mobility, the system is designed for rapid deployment in remote and harsh environments.

🔌 Output AC

10kW Rated Output
22kW Peak Surge

230V Pure Sinewave, 50/60 Hz

2× 13A socket
1× 32A industrial

🔌 Output DC

1× XT90 – 12V/30A
1× 12V Socket – 10A
2× DC5521 – 12V/6A

2× USB-C PD (140W)
2× USB-A QC3.0 (18W)
2× Wireless Charging (15W)

⚡ Charging

Transfer $\leq 10\text{ms}$
Solar MPPT 80–450V, 7.5kW
AC 7kW

IP43 Enclosure

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Rugged Portable Power Station

System Specifications



Battery Main

8kWh

LiFePO₄, 51.2V, 3000 cycles
IP66 Enclosure



Battery Extra

12kWh



Rugged Design

Heavy-Duty Enclosure
Shock-Resistant Design
Integrated Wheels & Handle

Operating Temperature:

Discharge: -20 to 50 °C
Charge: 0 to 45 °C

Dimensions: 840 × 670 × 490 mm
Weight: 110kg

Dimensions: 840 × 610 × 345 mm
Weight: 100kg

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