

OutBackTM POWER

OUTBACK ENERGYCELL 5

Smart, Safe Backup Power for Homes & Small Businesses

The OutBack EnergyCell 5 is the heart of a reliable, scalable backup power system. It's built to deliver dependable power for homes and small businesses, combining rugged outdoor-ready hardware with intelligent battery management to keep critical loads running when it matters most.

WHY ENERGYCELL 5?

- **Always-On Reliability** – Keeps essential loads powered during grid outages with dependable backup energy.
- **Built to Last Outdoors** – IP65-rated enclosure and 10-year warranty designed for real-world, outdoor environments.
- **Safe by Design** – LiFePO₄ chemistry, intelligent BMS, and an internal fire extinguishing module provide multiple layers of safety.
- **Grows with Your Needs** – Modular, stackable design that scales from 3 to 24 modules as your energy needs increase.
- **Easy to Own, Easy to Install** – Automatic stack communication and straightforward wiring simplify commissioning for installers and reduce complexity for owners.

HIGHLIGHT FEATURES

- **10-Year Warranty** for long-term peace of mind.
- **Outdoor-Rated IP65 Enclosure** for harsh and variable weather conditions.
- **Modular & Stackable**
 - 3–8 modules per stack
 - Up to 24 modules total per system
- **Integrated Intelligent BMS**
 - Monitors and manages voltage, current, and temperature
 - Optimizes performance and battery life
- **Internal Fire Extinguishing Module**
 - Built-in safety feature for additional protection
- **LiFePO₄ Cell Technology**
 - Stable, safe chemistry
 - Wide operating temperature range: -4°F to 131°F

TECHNICAL SPECIFICATIONS (SUMMARY)

Electrical

- Nominal Voltage: 51.2 V
- Continuous Charge/Discharge Power: 5 kW
- Cycle Life: 8,000 cycles (0.5C, 80% DOD, 25°C), 10 years

Communication & Integration

- Interfaces: RS485, CAN

Safety & Certifications

- Certifications: UL 9540A, UL 1973, CE

Mechanical

- Module Dimensions (H × W × D): 7.1" × 16.9" × 29.1"
- Module Weight: 132 lbs.
- Stackability: 3–8 modules per stack, up to 24 modules total
- Residential backup power systems for critical loads (lighting, refrigeration, communications, etc.).
- Small business continuity where downtime is not an option (retail, offices, light commercial).
- Installers seeking a safe, scalable, and easy-to-commission energy storage platform.

