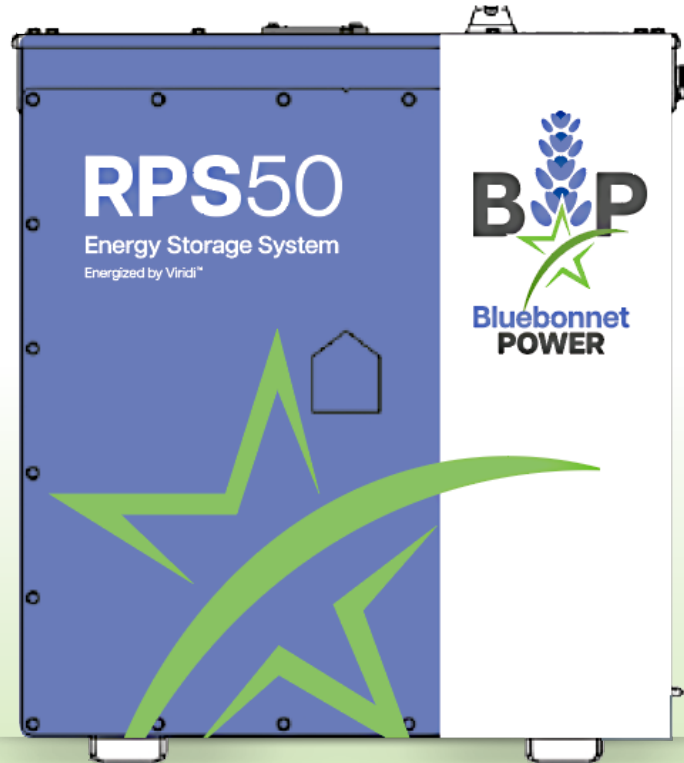


RPS50

ENERGY STORAGE SYSTEM

50 kWh for use in and around occupied spaces and critical equipment



Powerful FEATURES



Fail-Safe Design

Integrated thermal event anti-propagation technology and optional thermal event detection system

★ KEY BENEFITS

- Zero Emissions, Minimal Noise
- 48.6 kWh of installed energy capacity per pack
- Pack system is modular
- 3,500 cycle life; 10-year product
- Fixed and portable configurations

★ DISCHARGE PARAMETERS ¹

- Minimum to maximum operating temperature: -10°C to 45°C (14°F to 113°F)
- Max continuous power: 10 kW

★ CHARGE PARAMETERS ²

- Minimum to maximum operating temperature: -10°C to 45°C (14°F to 113°F)
- Max continuous power: 10 kW



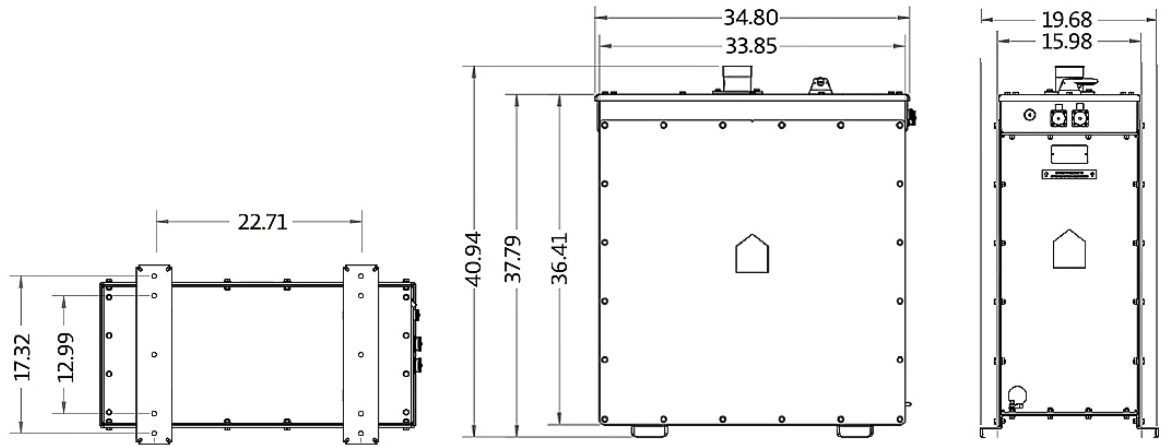
Bluebonnet POWER

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PHYSICAL PARAMETERS

- 500 kg (1,102 lbs)
- 304 Stainless steel case
- Dimensions are in inches



MORE KEY FEATURES

- Installed capacity: 245 Ah
- Installed energy: 48.9 kWh
- Ingress rating IP56 (pending)
- Pack and individual cell safety vents
- Integrated Battery Management System (BMS) with CAN 2.0b communication
- Can be connected in series for higher voltage/power and additional systems can be added to work in parallel for more capacity

CYCLE LIFE ³

- Maximum charge voltage: 221.4 V
- Minimum discharge voltage: 167.4 V
- Usable capacity: 43.41 kWh
- Energy throughput: 143 MWh
- Cycle life: 4,000 cycles

CERTIFICATIONS

- UN 38.3 (cell/module)
- UL 1642 (cell)
- UL 1973 (pack tested but not listed)
- UL 9540A (cell/module/pack tested)
- UL 9540 (field evaluated at full ESS level)
- All Electrical Components are UL Certified

¹ Operating temperature range mirrors battery cell specifications. The Battery Management System (BMS) is programmed to manage the pack utilization rate to control the internal pack thermal conditions and prevent operation outside of pack interior temperature limits, which can be tailored for different applications/installations. The BMS communicates applicable operating conditions continuously via CAN bus to the inverter and/or system controller.

² Optimal minimum to maximum charge operating temperature: 0°C to 45°C. For charging below -0°C maximum charge rate: 4.6kW. Additionally, for charging below -10°C, maximum charge voltage: 210.6V.

³ Cycle life can be optimized for individual applications and operating conditions (depth of discharge, duty cycle, temperature, charge/discharge rate).

FOR MORE INFORMATION

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