

Vital Power Supply (VPS) 7kWh Battery Backup

Explore our tailor-made Battery Backup solutions; precisely meeting your power protection needs for ultimate peace of mind. We assess, customize, and ensure reliability, setting us apart from generic options. Your power protection aligns perfectly with your requirements, providing unwavering confidence for your business. The power supply remains uninterrupted, with a transfer time of 0 milliseconds.

VPS setup and configuration is effortless. All data is securely stored in the VitalLog Cloud, backed by AWS ensuring round-the-clock protection and access to critical power consumption information. VPS is a central component in the VitalLog Ecosystem, seamlessly integrating with our power, temperature and environmental monitoring devices.



VL-UPS-US-7KW

- Safer, Longer Lasting LiFePO4 Batteries
- 6000 Cycles Before 80% Capacity
- 7kWh Total Energy Storage
- 1400W Max Continuous Power
- Smart-Sync with VPL and Other VL products (Text Message, Email, Wi-Fi, Run-Time, & Power Usage)
- VitalLog Cloud Storage, Alerts, & Analytics

Technical Specifications

Performance Specifications

Model	VL-UPS-US-7KW
Total Energy Storage	7.168kWh
Max Continuous Power	1400W - 5 minutes (2000W) - 5 seconds (4000W)
Input Voltage Range	95-140 VAC
Input/Output Frequency	50Hz/60Hz Auto Sensing
Output Voltage	120VAC \pm 5%
Output Waveform	Pure Sine Wave
Peak Efficiency (ECO mode)	98%
Peak Efficiency (Battery mode)	90%
Nominal Battery Voltage	24V
Maximum Battery Voltage	32V
Transfer Time (AC Mode to Batt. Mode)	0ms
Charging Mode	3-stage
Max AC Charging Current	60A
Battery Type	Lithium Iron Phosphate (LiFePo4)
Warranty	7 years

Compliance Information

Plug Type	NEMA 5-15
Grid Connections	U.S. & Canada

Environmental Specifications

Communication Port	UART/BT/RS485/CAN, RS232, USB
Operating/Storage Temp	0°C to 55°C / -15°C to 60°C
Operating Humidity	5% to 95% Relative (Non-Condensing)
Environment	Indoor

Mechanical Specifications

Unit Weight	173 lbs
Shipping Weight	190 lbs
Dimensions (D x W x H)	22.56" x 15.44" x 20.44"