

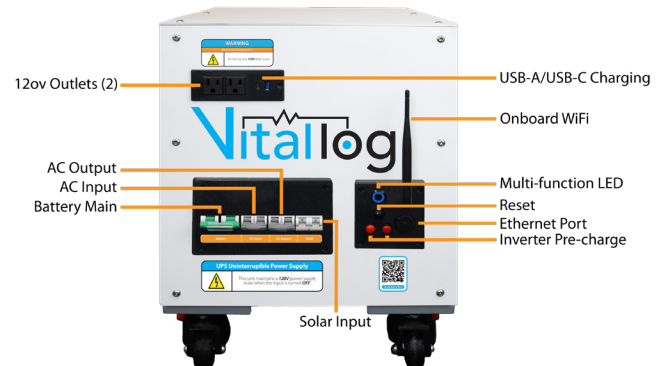


# VPS Spec Sheet

(Vital Power Supply)

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.



Model: VL-UPS-US-7KW



## The VitalLog Ecosystem

## Highlights

- Safer, Longer Lasting LiFePO4 Batteries.
- 6000-8000 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 Alerts
- VitalLog Cloud Storage, Alerts, & Analytics.

## Technical Specifications

### Performance Specifications

|  |   |
|--|---|
| <b>Model</b>                               | VL-UPS-US-7KW                                 |
| <b>Total Energy Storage</b>                | 7.168kWh                                      |
| <b>Max Continuous Power</b>                | 1400W - 5 minutes (2000W) - 5 seconds (4000W) |
| <b>Input Voltage Range</b>                 | 95-140 VAC                                    |
| <b>Input/Output Frequency</b>              | 50Hz/60Hz Auto Sensing                        |
| <b>Output Voltage</b>                      | 120VAC $\pm$ 5%                               |
| <b>Output Waveform</b>                     | Pure Sine Wave                                |
| <b>Peak Efficiency (ECO mode)</b>          | 98%   |
| <b>Peak Efficiency (Battery mode)</b>      | 90%   |
| <b>Nominal Battery Voltage</b>             | 24V   |
| <b>Maximum Battery Voltage</b>             | 32V   |
| <b>Transfer Time (AC to Battery)</b>       | 0ms   |
| <b>Simultaneous Charge &amp; Discharge</b> | Yes, Adjustable 10-60A                        |
| <b>Max AC Charging Current</b>             | 60A   |
| <b>Battery Type</b>                        | Lithium Iron Phosphate (LiFePo4)              |
| <b>Warranty</b>                            | 7 years                                       |

### Electrical Information

|                         |               |
|-------------------------|---------------|
| <b>Plug Type</b>        | NEMA 5-15     |
| <b>Grid Connections</b> | U.S. & Canada |

### Environmental Specifications

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

### Mechanical Specifications

|                               |                          |
|-------------------------------|--------------------------|
| <b>Unit Weight</b>            | 173 lbs                  |
| <b>Shipping Weight</b>        | 190 lbs                  |
| <b>Dimensions (D x W x H)</b> | 22.56" x 15.44" x 20.44" |