

# Integrated UPS Power System

Polycarbonate Enclosure, Lithium Battery  
Cisco Switch Not Included

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Connect, Protect, and Enable™

Ventev's Integrated UPS Power System is designed to be compatible with Cisco's industrial IoT networking and data solution product lines. This combination of Ventev's industry-leading UPS power system and Cisco's secure, fixed, full-Gigabit industrial switching platform to enable smart city and IoT applications, and easily extend the enterprise in any location.

The NEMA 3R UPS power system offers a 480 W power budget with up to 275 W for PoE/PoE+, shared across eight ports, to connect PoE-powered devices such as IP cameras, phones, access points, sensors, and more. 205 W can be used for a highly modular router which makes it an ideal solution for remote asset management and future radio upgrades.

With the lithium-ion battery, the system provides up to 2 hours of backup power at max load in the event of a power outage to support IoT applications such as security, monitoring, and edge computing storage. Battery longevity is 10 years or 2000 cycles.

## Specifications

SKU	604482
Manufacturer Part Number	VN-148D1-L6
Internal Dimensions	18 x 16 x 10 in.
Weight (including battery)	50 lbs.
Environment	Indoor/Outdoor
Application	Smart City, IoT, Enterprise
Input Power	90-264 VAC, 60 Hz, 8 Amp
Output Power	8 PoE+(802.3at) output ports, 30 at 54 VDC Peak/Port
Output Voltage	System: 55.5 VDC at 480 W (max) Cisco IE3200: 25.5 W PoE+ on 8 ports UL 508 approved Industrial Power Supply
Battery Backup	2-stage charger with Lithium Ion rechargeable battery pack with BMS. Auto switchover to stand-by battery when AC fails.

Specifications continued on next page



## Features & Benefits

- This design can be fully integrated with a Cisco device of the user's choice allowing for optimum flexibility and changes on the go.
- The lithium-ion battery doubles the life of the system over similar lead-acid batteries.
- The NEMA-rated polycarbonate enclosure provides a cost-effective surrounding for the equipment inside.
- The thermostat controlled fan and vent keep the system cool during the most extreme conditions.
- Includes I/O alarm for monitoring and signaling to external equipment.



All product specifications are subject to change without notice or obligation.

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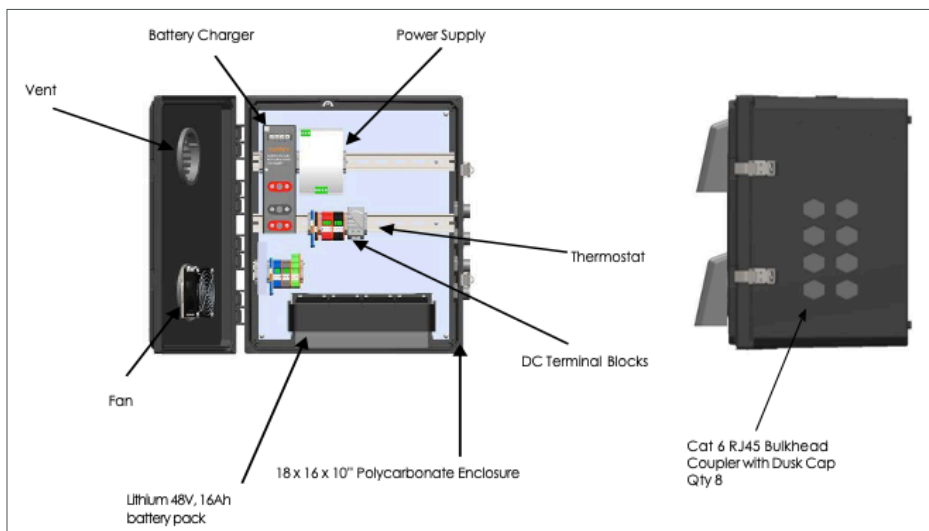
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## Specifications Cont.

Backup Time	2 hrs. at 275 W, max load for Cisco IE3200
System Protections	Low voltage disconnect (cutoff voltage 10.5, reconnect voltage 12.5), overload, over voltage (auto-recovery), and over temperature (auto-recovery after temp goes down)
Terminal Blocks	AC with knife switch, DC for 48 V with knife switch and ground
Temperature Range	-22°F to 113°F <i>(includes temperature consideration for batteries)</i>
Enclosure Components	NEMA 3R Polycarbonate, solid hinged lid with louvered vents, rain shields, latch locks, and 75 CFM 48 VDC fan
Ports	1 AC input power, 1 data cable, and 8 IP-67 with caps for RJ45 I/O
Antenna	4G/5G GNSS/GPS omnidirectional antenna (ONLY in VP-148A1-07132-1). 2 4G/5G antennas with up to 6 dBi gain (617~960/1960~6000 MHz), and one GNSS/GPS antenna with up to 26 dB LNA gain (1562~1612 MHz).



## Additional Accessories

### Universal Pole Mount Kit, 12 in. diameter pole

MFG Part #: TWPMK-16-UNIV  
SKU #: 339837

### Co-Locating Universal Kit for Pole Mount

MFG Part #: VNV-CLMP-POLE  
SKU #: 285425

### Co-Locating Universal Kit for Wall Mount

MFG Part #: VNV-CLMP-WALL  
SKU #: 249547

### Co-Locating Universal Kit for Corner Mount

MFG Part #: VNV-CLMP-CORNER  
SKU #: 274876

### BTRM 400 Battery Test Remote Monitor

MFG Part #: BTRM-4000  
SKU #: 246962

### 1 in. Diameter RJ45 Compatible Cable Glands

MFG Part #: RJ-45FT  
SKU #: 362226

### 1 in. Diameter Hole Plugs

MFG Part #: 1/2-NEMA-PLUG  
SKU #: 344873



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