Integrated UPS Power System

Stainless Steel Enclosure, Lithium Battery
Cisco Switch Not Included

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 stainless steel enclosed 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	604485
Manufacturer Part Number	VN-148D4-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.

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 stainless steel enclosure provides robust and 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.

Specifications Cont.
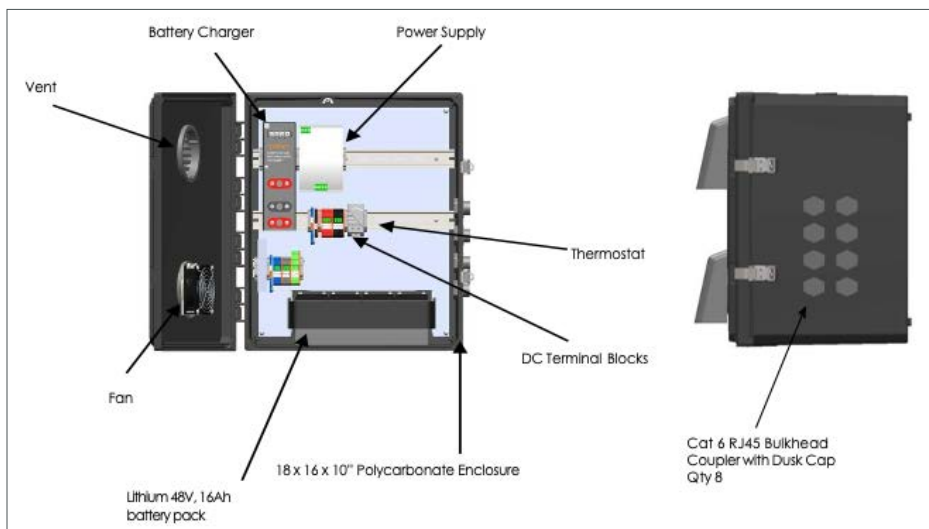
Backup Time	2 hrs. at 275 W, max load for Cisco IE3200 (48 V, 16 Ah battery pack)
System Protections	Low voltage disconnect (cutoff voltage 10.5, reconnect voltage 12.5), overload, over voltage (auto-recovery), and over temperature (auto-recovery after temp goes down)
Terminal Blocks	AC with knife switch, DC for 48 V with knife switch and ground
Temperature Range	-22°F to 113°F *(includes temperature consideration for batteries)*
Enclosure Components	NEMA 3R Stainless Steel, 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-148A1-07I32-1). 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 #:	SKU #:
TWPMK-16-UNIV	339837

Co-Locating Universal Kit for Pole Mount

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

Co-Locating Universal Kit for Wall Mount

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

Co-Locating Universal Kit for Corner Mount

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

BTRM 400 Battery Test Remote Monitor

MFG Part #:	SKU #:
BTRM-4000	246962

1 in. Diameter RJ45 Compatible Cable Glands

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

1 in. Diameter Hole Plugs

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

Vent — Battery Charger — Power Supply — Thermostat — DC Terminal Blocks — Cat 6 RJ45 Bulkhead Coupler with Dusk Cap Qty 8 — Fan — 18 x 16 x 10" Polycarbonate Enclosure — Lithium 48V, 16Ah battery pack