

# Integrated UPS Power System

Polycarbonate Enclosure, Sealed Lead Acid Batteries  
Cisco Devices Optional

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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 polycarbonate 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.

The system provides up to 45 minutes 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.

## Available Models

Enclosure Description	MFG Part #	SKU
UPS System with Cisco IE3200 Switch (Cisco Switch Model# IE-3200-8P2S-E)	VP-148D1-07132-0	264289
UPS System with Cisco IE3200 Switch & IR1101 Router (Cisco Switch Model# IE-3200-8P2S-E; Cisco Router Model# IR1101-K9 with CAT4 LTE Module for US)	VP-148D1-07132-1	232728
UPS System with Cisco IR1101 Router (Cisco Router Model# IR1101-K9 with CAT4 LTE Module for US)	VP-148D1-07111-3	201993
UPS Power System Only (Cisco Switch Optional)	VN-148D1-07	290008



## 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.
- Cisco devices come standard with Cisco Network Essential license. IR1101 comes with an LTE-US module.
- Expansion module for IR1101 can be added for dual active LTE, local storage for applications, SFP, and input/output ports.
- Remotely configurable, eliminates the need for on-site configuration by an engineer.
- 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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## Specifications

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
Gigabit PoE	10 / 100 / 1000 PoE / PoE+ ports
Battery Backup	2-stage charger with sealed lead acid batteries, auto switchover to stand-by battery when AC fails
Backup Time	45 min. at 275 W, max load for Cisco IE3200 (four 7Ahr battery)
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° to 113°F (includes temperature consideration for batteries)
Enclosure Components	NEMA 3R Polycarbonate, solid hinged lid with louvered vents, rain shields, latch locks, and 75 CFM 48 VDC fan
Enclosure Ports	2 Ports: 1 AC input power, 1 data cable 8 Ports: IP-67 with caps for RJ45 I/O
Fiber Ports	100 / 1000 SFP-based ports
Antenna Type	VP-148A1-07I32-1: 4G/5G GNSS/GPS omnidirectional antenna 2 4G/5G Antenna: with up to 6 dBi gain (617~960 / 1960~6000 MHz), 1 GNSS / GPS Antenna: with up to 26 dB LNA gain (1562~1612 MHz).

## Additional Accessories

**Universal Pole Mount Kit,  
12 in. diameter pole**  
(included with certain models,  
check factory for details)

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

**Replacement Batteries  
Yuasa 7Ahr**

MFG Part #: SKU #:  
NP7-12 532518

**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



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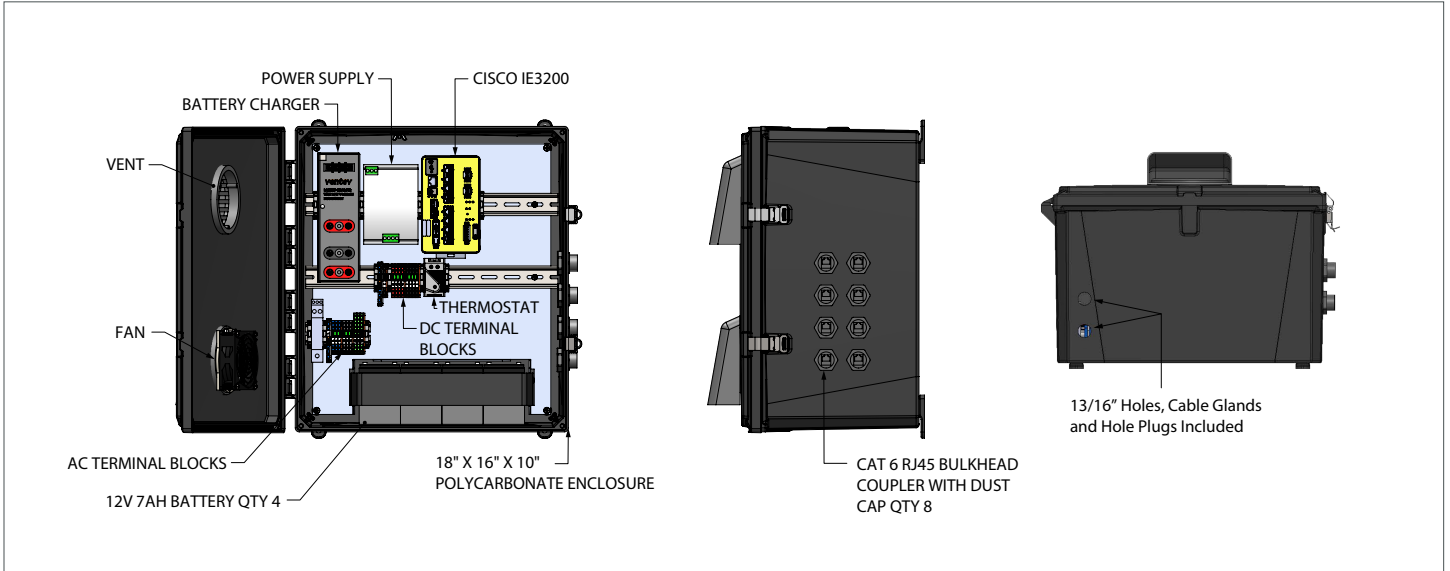
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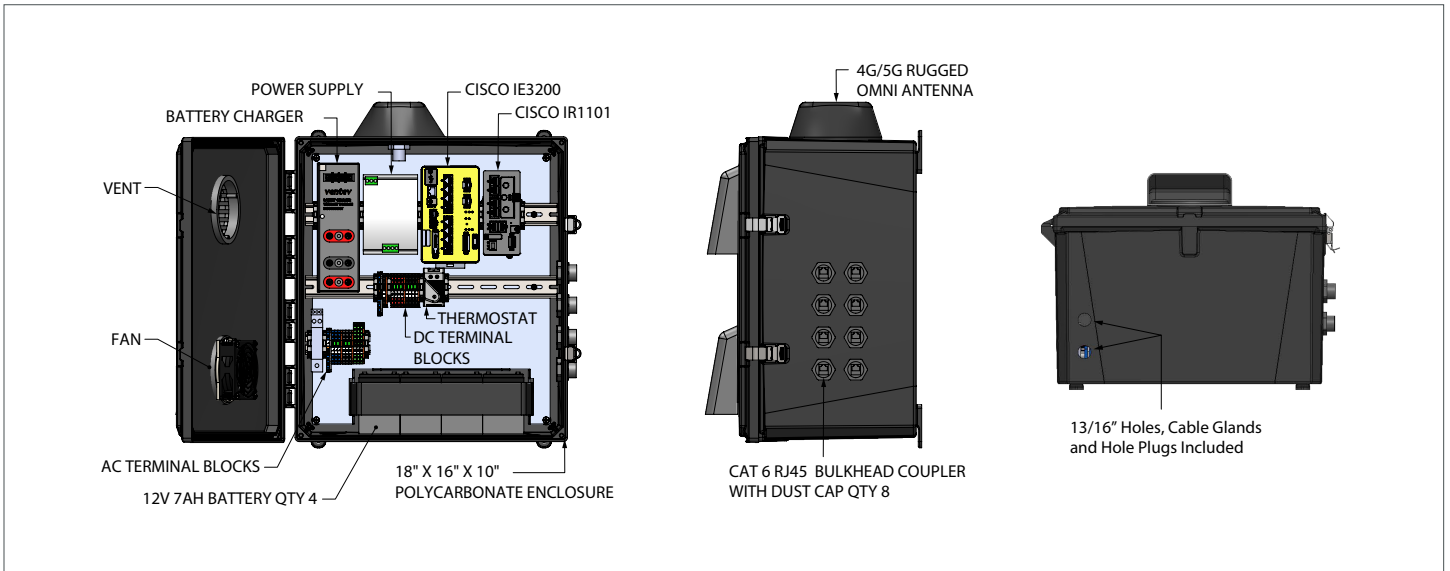
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## Integrated UPS Power System with Cisco IE3200 | SKU 264289



## Integrated UPS Power System with Cisco IE3200 & IR1101 | SKU 232728



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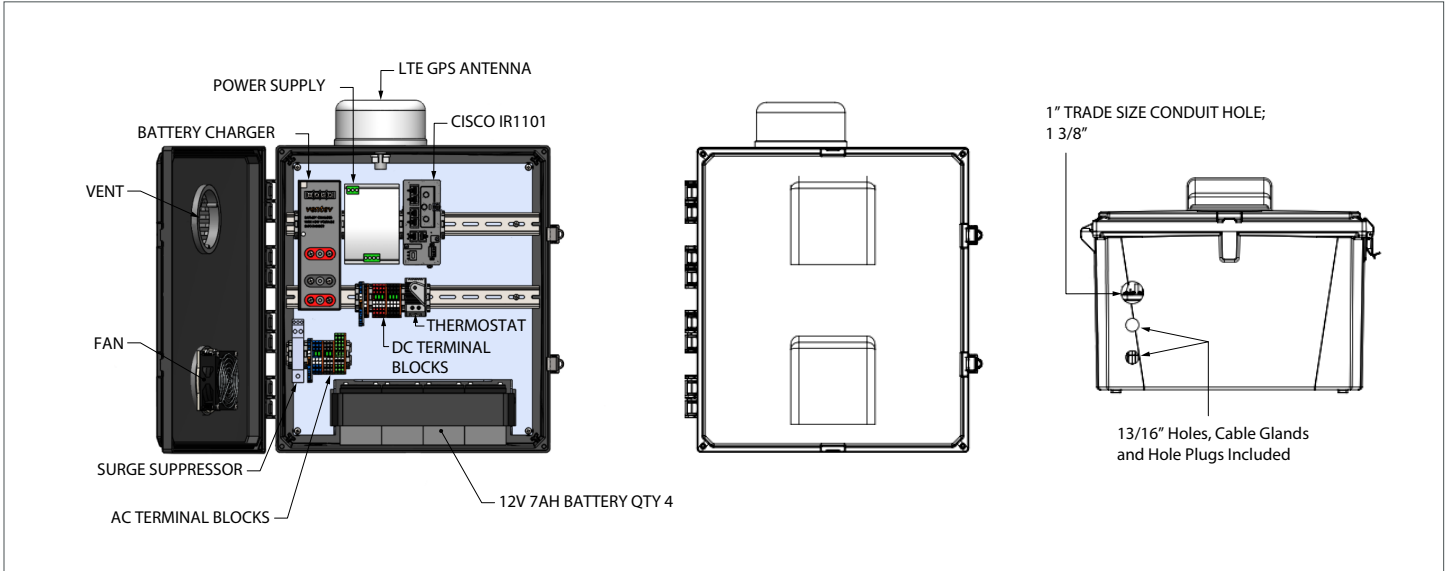
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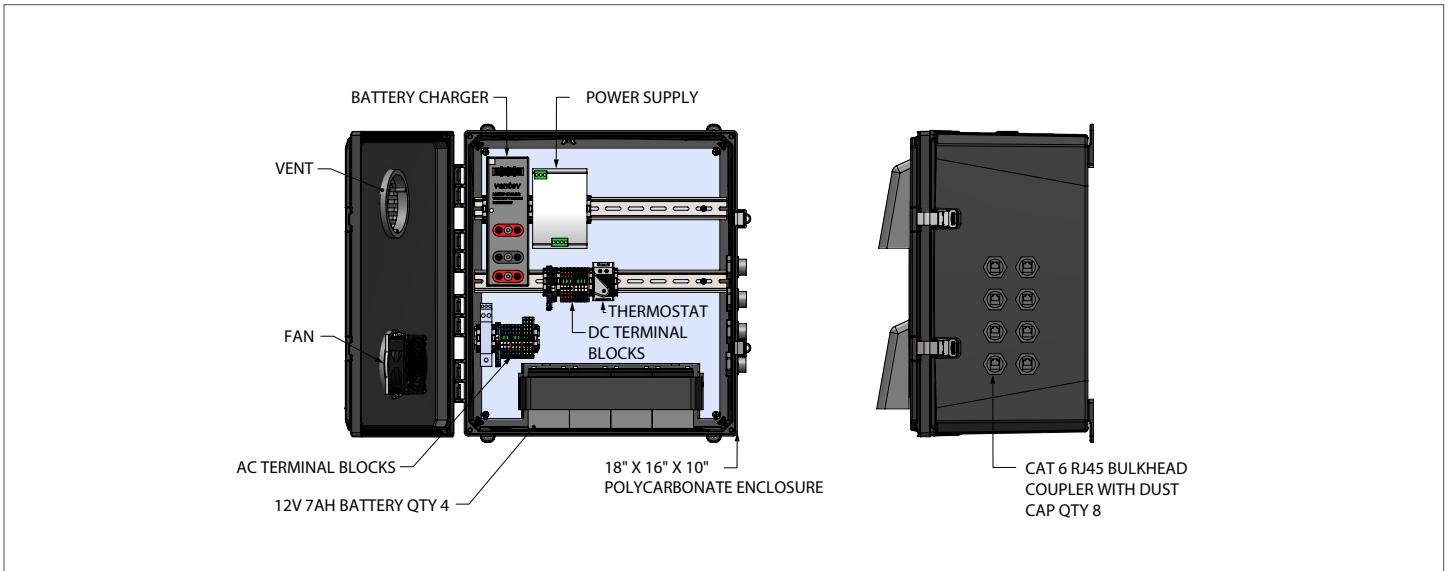
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## Integrated UPS Power System with Cisco IR1101 | SKU 201933



## UPS Power System Only (Cisco Switch NOT Included) | SKU 290008



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