



# 24V Integrated UPS Power System, Polycarbonate, SLA Batteries VN-124B1-070-1

By Ventev  
Catalog # VN-124B1-070-1



Ventev's 24V DC UPS Power System is designed for IoT applications to ensure reliable power for Cellular and SCADA radios. The compact, lightweight NEMA 3R enclosure system converts 120 V AC site power to 24V DC to power active equipment. The system includes sealed lead-acid batteries that provide several hours of back-up in case of power outage. Easily configurable in the field, the system is delivered fully integrated to meet your specific deployment requirements and can be mounted on poles or walls.

## Features

- Converts AC power to DC power.
- 24V of battery back-up providing UPS functionality allowing the system to operate several hours without AC power.
- Rugged NEMA-rated enclosure protects in harsh weather.
- The thermostat-controlled fan and vent keep the system cool during the most extreme conditions.
- Latches for padlocks to secure equipment from tampering and theft.
- Pole or wall mountable.
- Configured and delivered fully integrated for fast, trouble-free installation.
- Cost-effective solution for ensuring reliable power for uninterrupted connectivity.

## Applications

- Smart Grid: powers collector point systems for LTE backhaul radios with enclosure I/O ports for antenna cables.
- Smart Farming: provides 24V DC to power Gateway radio systems with accommodations for external LTE antennas.
- SCADA Networks: Protects remote equipment and provides 24V DC power to SCADA radio with UPS and integrated antennas.

## General

Environment	Indoor or Outdoor
Installation Type	Wall or pole mount
Color	Gray
Additional Accessories	TWPMK-16-UNIV: Pole Mount Kit
(sold separately)	RJ-45FT: 1" Diameter Cable Glands
	½-NEMA-PLUG: 1" Diameter Hole Plug

## Specifications

Dimensions	18x16x10 inches
Weight	25 lbs.
Lock Type	Padlock-able latches
Material	Polycarbonate
Operating Temperature	-22 to 113°F
Vents	75 CFM, 24V DC fan
Holes/Ports	AC-input (1), RJ45 I/O (1)
NEMA Rating	3R
Input Power	90-264V AC, 60 Hz, 3 A
Output Power	120W at 24V DC
Battery Back-up	Sealed lead-acid, auto switchover
System Protections*	LVD, Overload, Over Voltage & Temp.
Terminal Blocks	AC, DC and Ground w/ knife switches
UPC	662620925042

## Product Assets

[Sales Drawings – Outline Drawing \(link\)](#)  
[Specifications – Specifications Sheet \(link\)](#)

*\*Note: low voltage disconnect w/ cutoff 10.5V, reconnect 12.5V. Over-voltage auto-recovery. Over temperature, auto-recovery after temperature goes below set-point.*

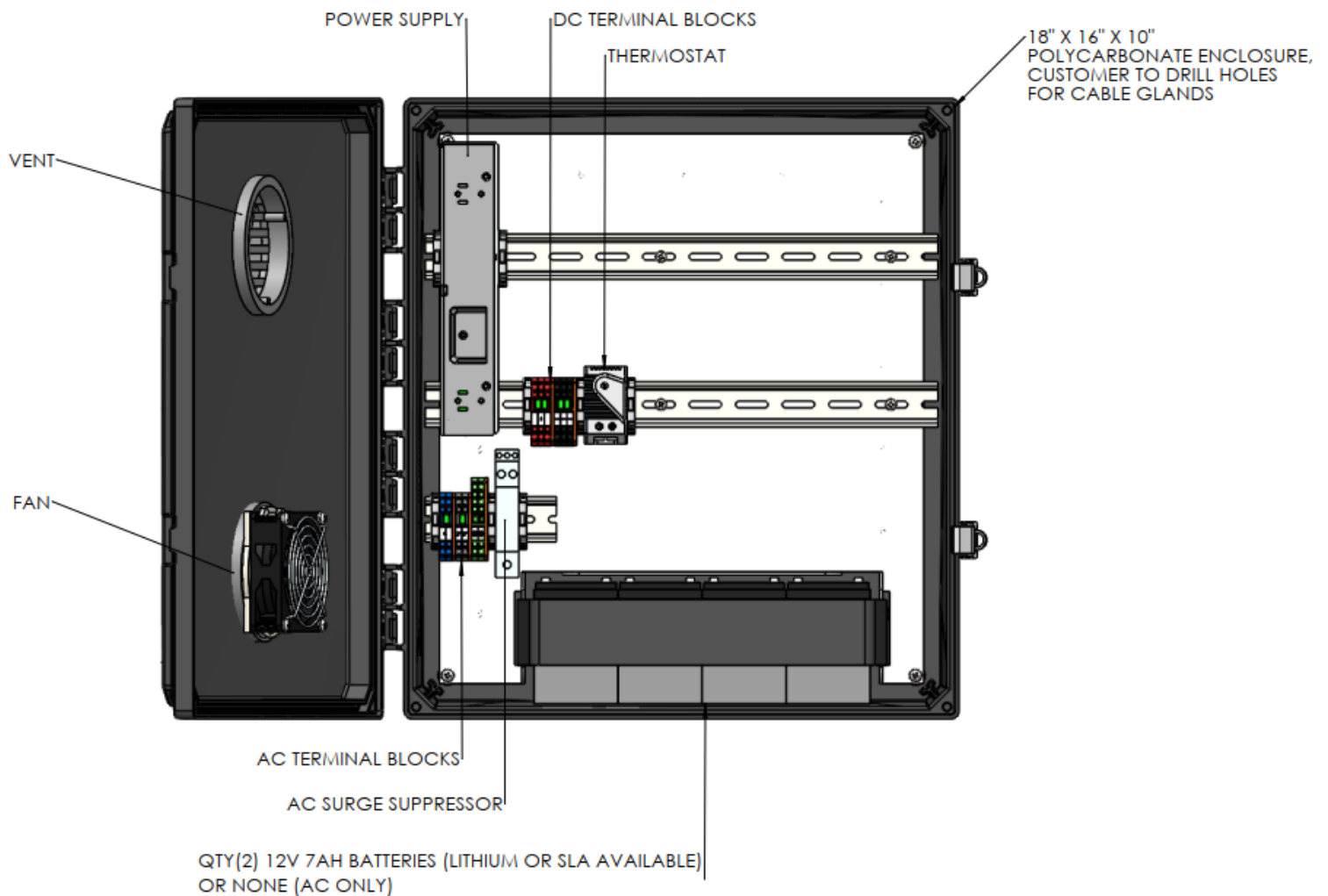


A Hubbell brand



## 24V Integrated UPS Power System, Polycarbonate, SLA Batteries VN-124B1-070-1

By Ventev  
Catalog # VN-124B1-070-1



A Hubbell brand

© 2025 AccelTex Solutions. All rights reserved.  
Spec Sheet Name Here | REV #/2025