

Outdoor 120V AC / 12V DC UPS Power System

for IoT Applications

ventev®

Connect, Protect, and Enable™

Ventev's Outdoor AC/DC Power System for IoT applications ensures reliable power for LPWAN, Cellular, SCADA, and Wi-Fi radios needing up to 100 W. The compact, lightweight NEMA 4X enclosure system converts 120 VAC site power to 12 VDC to power active equipment with optional lead-acid or lithium battery back-up. The systems are easily configurable in the field or have them delivered fully integrated to meet your specific deployment requirements. Mounts on poles or walls.

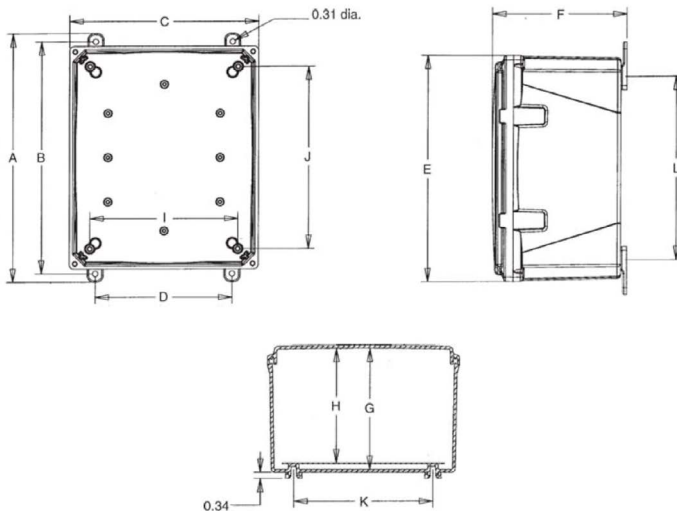


SKU 610097

Available Models

Enclosure Description	MFG Part #	SKU
AC/DC Power System	VNE-1121206-0000-00-0	254543
System with Lead-Acid Battery	VNE-1121206-0071-00-0	244301
System with Lithium Battery	VNE-1121206-0072-00-0	610097

Enclosure Dimensions



Enclosure Size	A	B	C	D	E
12 x 10 x 6 in.	14.00 in.	13.13 in.	11.50 in.	7.60 in.	12.50 in.
	F	G	H	I x J	K
	7.25 in.	6.75 in.	6.25 in.	8.25 x 10.25 in.	7.60 in.
	L	M	N	O	Panel Size
	9.63 in.	13.69 in.	12.75 in.	8.00 in.	10.75 x 8.88 in.

Features & Benefits

- Converts AC power to DC power.
- Rugged NEMA-rated enclosure protects in harsh weather.
- Lightweight and low profile.
- Locks 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.
- Convenient, one-stop purchase – Power System and all optional integrated components can be purchased through Tessco.

Applications

- **Outdoor Wi-Fi:** converts 120 VAC to 12 VDC for outdoor access points.
- **Smart Grid:** powers collector point systems for LTE backhaul radios with enclosure I/O ports for antenna cables.
- **Smart Farming:** provides 12 VDC to power LPWAN Gateway radio systems with accommodations for external 900 MHz and LTE antennas.
- **SCADA Networks:** Protects remote equipment and provides 12 VDC power to SCADA radio with UPS and integrated antennas.



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

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Specifications

Output Power	100 W at 12 VDC
Input Power	90-264 VAC 60 Hz, 3.5 Amp.
Terminal Blocks	AC with knife switch, DC for 12 V and ground
Enclosure Type	NEMA 4X gray polycarbonate, UL listed, opaque hinged lid
Enclosure Ports	One port for AC-input, three ports for RJ45 I/O
Vented	No
Operating Temperature	-31° to 140°F, battery dependent
Environment	Outdoor
Dimensions	12 x 10 x 6 in.
Weight	13 lbs. with batteries
Mounting Style	Wall/Mast
System Protections	DC input fuse protection, short circuit protection (auto-reset), low voltage disconnect included (cutoff voltage 10.5, reconnect voltage 12.5)
Locking Mechanism	Pad lockable latches
Battery Backup System	Sealed Lead-acid or Lithium-LiFePO4 chemistry. Wire harness included for 2 batteries (but not installed)

Notes

- For AC input requirements greater than 270 VAC, call Ventev.
- For extended battery backup time, call Ventev.
- Site AC power cord not included.

Additional Accessories

Yuasa 7 Ahr Battery, Model NP7 (replacement batteries)

MFG Part #:	SKU #:
NP7-12	532518

Lithium Battery, Dakota 7 Ahr (replacement batteries)

MFG Part #:	SKU #:
D-LI-12v-7AH	607930

Pole Mount for ≤4 in. Poles

MFG Part #:	SKU #:
PMK-4-10	330781

Universal Pole Mount Kit for 10-12 in. Wide Enclosures

MFG Part #:	SKU #:
TWPMK-10-12-UNIV	303580

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

Configure with Optional Components:

- Cell modems, LPWAN, SCADA, & Wi-Fi radios
- Network switches
- Industrial POE injectors
- Battery and enclosure monitors
- Surface mount antennas for LTE, GPS, & Wi-Fi
- Batteries for UPS capability



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