Outdoor AC/DC Power Systems for IoT Applications
Ensure reliable power for LPWAN, Cellular, SCADA and Wi-Fi deployments

Ventev's Outdoor AC/DC Power Systems for IoT applications ensure reliable power for LPWAN, Cellular, SCADA and Wi-Fi radios. The compact, lightweight NEMA 4X enclosure systems convert 120VAC site power to 12VDC to power active equipment or convert to PoE/PoE+ if needed. 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. *For questions and assistance purchasing product, contact Ventev: 800-851-4965 or sales@ventev.com.*

AC/DC Power System	TESSCO No. 254543	P/N: VPE-12-60-000000
System with UPS Battery	TESSCO No. 244301	P/N: VPE-12-60-000700
Multiple System configurations available. Call Ventev to order.		

APPLICATIONS

- **Outdoor Wi-Fi** - converts 120VAC to 1-2 PoE ports 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 12VDC to power LPWAN Gateway radio systems with accommodations for external 900MHz and LTE antennas
- **SCADA Networks** - Protects remote equipment and provides 12VDC power to SCADA radio with UPS and integrated antennas

FEATURES

- 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

BENEFITS

- **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

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, WiFi	Batteries for UPS capability

POWERED SYSTEMS PRODUCT NO: VPE — 00 — 00 — 0 — 0 — 00

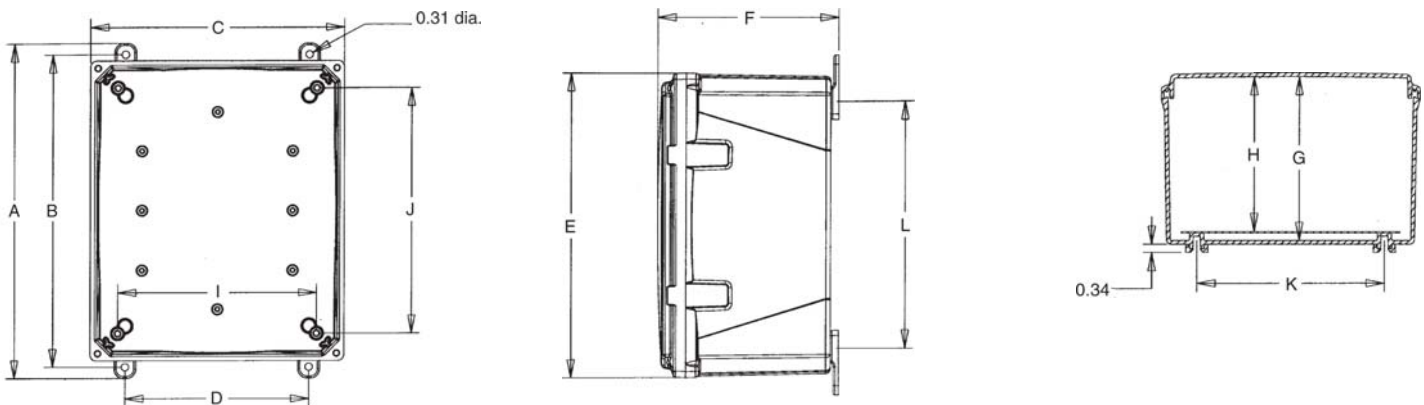|	12VDC= **12**	60W= **60**	ANTENNA Yes= **1** No = **0**	POE INJECTOR Yes = **1** No = **0**	BATTERY 7 ahr = **07** 2x7 ahr = **14** 17 ahr = **17**

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Base AC/DC Power System

Output Power	6OW@12VDC
Input Power	90 to 264VAC 60 Hz, 3.5 amp.
System Protections	DC input fuse protection, Short circuit protection (auto-reset), Low Voltage Disconnect: Included (cutoff voltage 10.5, reconnect voltage 12.5)
Terminal Blocks	AC with knife switch, DC for 12V and ground
Environmental Temperature Range	-35C to +60C (-31F to + 140F)
Dimensions	12"H x 10"W x 6"D
Enclosure	NEMA 4X Grey polycarbonate, UL Listed, opaque hinged lid
Theft and Weather Protection	Pad lockable latches , moisture vent
Enclosure Ports	One port for AC-input, three ports for RJ45 I/O
Weight w/ Batteries	13 lbs
Battery Backup System	Built-in capability, wire harness included (but not installed)
Included but not installed	Battery harness for two batteries, one hole plug, four RJ45 glands, tabs for wall mounting

Enclosure Dimensions

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

Additional Accessories Available through TESSCO
- Replacement batteries Yuasa 7Ahr Model NP7-12, TESSCO No. 532518
- Pole mount for <= 4" poles TESSCO No. 330781
- Universal pole mount <= 15" TESSCO No. 303580
- 1" Dia RJ45 compatible cable glands TESSCO No. 576422
- 1" dia hole plugs TESSCO No. 344873

Notes
- For AC input requirements >270VAC, call Ventev
- For extended battery backup time, call Ventev
- Site AC power cord provided by others