
ventev
LTE, SCADA, CBRS, WI-FI, AND DAS
Power Systems for Utilities

Reliable Power & Protection for Wireless Networking Equipment

Ventev's industry-leading power systems help utilities power, protect, and connect their critical networks.

Ventev primary and backup power systems enable essential remote monitoring of networks. Our systems support centralized, distributed, and solar power generation. The systems allow sensing and measurement for quality, security, and outages, and reduce installation complexity and operational costs. Applications include:

- Distribution Automation (Smart Grid)
- Reclosers
- AMI/AMR
- Substation Automation
- Distributed Power Generation (Solar/Wind)
- Distributed Energy Resources (DER)

AC to 12V DC Power Systems

Ventev's 12V DC UPS Power System is designed to ensure reliable power to PON, Cellular and SCADA radios for wireless backhaul applications. The NEMA 4X enclosure system converts 120 V AC site power to 12V DC and includes battery back-up. Easy on site set-up, the system comes fully integrated to meet your requirements and can be mounted on poles or walls.



FEATURES AND BENEFITS

- Converts AC power to DC power
- The system has 12V 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.
- Includes a low power heater to prevent freezing in cold temperatures
- 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

COMMON USE

- Smart Grid: powers collector point systems for Fiber backhaul and Diber ONT's
- Smart Farming: provides 12V DC to power Gateway radio systems with accommodations for external LTE antennas
- SCADA Networks: Protects remote equipment and provides 12V DC power to SCADA radio with UPS and integrated antennas

AC to 24V DC Power Systems

Ventev's 24V DC UPS Power System is designed to ensure reliable power for Cellular and SCADA radios for wireless backhaul applications. The lightweight NEMA 3R enclosure system converts 120 V AC site power to 24V DC to power active equipment and includes optional batter back-up. Easy on site set-up, the system comes full integrated to meet your requirements and can be mounted on poles or walls.



FEATURES AND BENEFITS

- 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

COMMON USE

- 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

AC to 48V DC Power Systems

Ventev's 48V DC UPS Power System is designed to ensure reliable power for PoE based IoT fiber backhaul applications. The lightweight NEMA 3R enclosure system converts 120 V AC site power to 48V DC to power active PoE equipment and includes optional battery back-up. Easy on site set-up, the system comes fully integrated to meet your requirements and can me mounted on poles or walls.



FEATURES AND BENEFITS

- Converts AC power to DC power
- 48V of battery back-up providing UPS functionality allowing the system to operate 1-2 hours without AC power
- Compatible with most hardened, outdoor switches for PoE, PoE+ and PoE++ including Cisco, Aruba/Juniper and many others
- 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

COMMON USE

- Outdoor Wi-Fi deployments extending IoT beyond the building/network closet
- Expanding the enterprise system to any location for remote asset
- Smart city applications including community Wi-Fi, security cameras, access points and edge computing storage

AC POWER NOT AVAILABLE

Solar Power Systems

Complete, stand-alone solar power systems provide continuous power in remote locations where AC power is unavailable.



FEATURES AND BENEFITS

- Ensures reliable power throughout most of the U.S.
- Rugged construction with corrosion-resistant materials provides years of autonomous service in the harshest environments
- Partial State of Charge (PSOC) lead acid battery
- Available in three output capacities:
  - Device drawing up to 15 watts/hour
  - Device drawing up to 30 watts/hour
  - Device drawing up to 90 watts/hour

COMMON USES

- Data collection from local network via DNP3 receiver/backhaul to main network
- Deploy outdoor mesh wireless networks
- Deploy access points and surveillance cameras on light poles in parking lots

› For more information, please refer to datasheets on ventevinfra.com.

WHY CHOOSE ventev®

Industry-leading product lines that provide a comprehensive ecosystem of wireless products

Products for every major radio/AP covering Wi-Fi, DAS, CBRS, LTE, SCADA, & two-way

Easy-to-install & Pre-configured, fully integrated solutions

Large inventory of products, ready to ship

Professional product training & educational materials

Customer support with exceptional product and industry knowledge

After you choose the radio



choose ventev®

For more information

visit ventevinfra.com,
call 800-851-4965,
or email sales@ventev.com

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