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 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

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AC POWER INTERMITTENTLY AVAILABLE
Intermittent Power Extender

Enables access points, cameras, or other PoE devices to operate from intermittently powered locations. Powers equipment from batteries during the day when power is off, then recharges batteries at night when power is on.
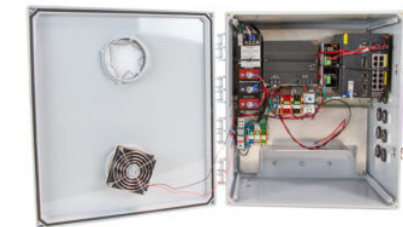
FEATURES AND BENEFITS

- Provides seamless power transfer 24/7
  - **Daytime** – Powers from battery for up to 18 hours
  - **Nighttime** – Powers from AC and fast charges the battery
- Systems available to convert 90–520 VAC site power to 1–3 ports PoE, PoE+
- NEMA 4X-rated enclosure protects and secures equipment

COMMON USES

- Deployment of an outdoor communications system for emergencies/backhaul data from cameras and other devices
- Wi-Fi for areas that often only have power during the night to power street lighting
- Data analytics
- Deployment for access points and security cameras

AC POWER AVAILABLE
AC Power Systems

Ventev's AC Power Systems power and protect network equipment and convert site AC power to DC power or PoE+ for use by most electronics. The compact, plug-and-play systems extend the network outdoors even in harsh environments.

FEATURES AND BENEFITS

- Converts main power to DC power
- NEMA-rated enclosure
- Delivered fully integrated for trouble-free installation
- Optional integrated components
  - Wireless radios
  - Network switches
  - PoE injectors
  - Antennas (LTE, GPS, ISM, Wi-Fi)
  - Battery backup (UPS)

COMMON USES

- Data collection from the regulators on utility poles/backhaul to main network
- Distribution Automation Switch Hubs for SpeedNet Gateways
- GE MDS MCR Orbit Cellular Router deployment at substation for monitoring voltages

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BACKUP POWER DURING OUTAGES
UPS Power System

Compact UPS Power System provides four-to-eight hours of battery backup to support business continuity.
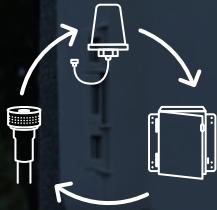
FEATURES AND BENEFITS

- Provides seamless transfer to battery backup to ensure continued operation in the event of an outage
- Ideal for wireless networks in remote locations (e.g., rural municipalities, sub stations, etc.)
- Fully integrate with your radio for faster, less complex installation
- Protects networking equipment from harsh weather, tampering, theft, and impact damage

COMMON USES

- Data collection from local network via DNP3 receiver/backhaul to main network
- Local connectivity for the following:
  - Repeater sites
  - Voltage regulator communications
  - Master SCADA switch
- Data collection from local network via radio and ethernet switch in an underground vault. Backhaul via fiber to main network
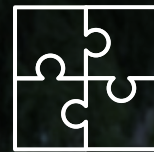- Power and backup to reclosures in distribution automations

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› For more information, please refer to datasheets on ventevinfra.com.
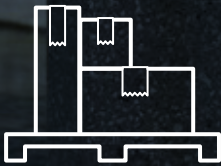
WHY CHOOSE venteb®

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 **venteb®**

For more information

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