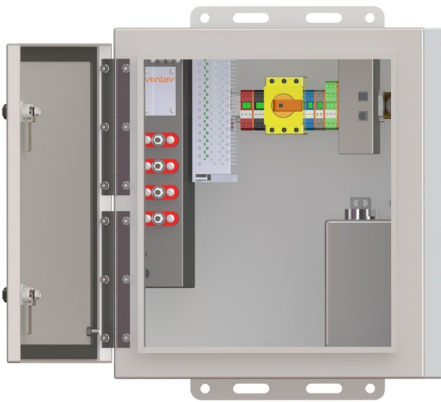


Power Extender for Light Poles



Multi-Port Power Extender for Light Poles
TESSCO No. 586690



Power Extender for Light Poles
Sku 553902

Each system includes: power supply and charger, PoE Injector, battery bank w/ strap, wire harness and RJ45 feed-thrus

Ventev's Power Extenders enable continuous operation of access points, wireless surveillance cameras and other PoE devices installed on light poles with intermittent AC power supply. The specialized power system provides primary power to wireless radios and devices during day light hours, and then performs a fast-recharge at night when AC power is available to charge the battery bank. *Every Ventev power system is covered by the company's one-year TerraNet warranty program.*

For more information or to purchase, contact Ventev: 800.851.4965 or sales@ventev.com.

FEATURES AND BENEFITS

- Designed for streetlights or light poles with intermittent power (AC power controlled by a remote light sensor or timer)
- Battery bank provides 18 hours of power during the day, recharges within 6 hours at night
- Converts 120VAC input power to PoE+ for wireless radio and 35W max for common PoE devices such as cameras for most common PoE devices
- Powers one AP and up to 2 ports (max 35W power available) for PoE devices
- Outdoor PoE injector for power/data to wireless radio (i.e. AP)
- Unmanaged PoE switch to combine data from 1-2 cameras and pass to POE injector
- NEMA 4X enclosure includes latch locks for protection and security
- Seamless power transfer from AC site power to battery reserve ensures AP remains powered and radio rebooting is avoided

Applications:

- Municipal Wi-Fi deployments on light poles or streetlights enabling traffic management
- Public Wi-Fi deployments on light poles or streetlights at parks and recreation areas
- Outdoor security cameras deployed on light poles or streetlights

Power Extender for Light Poles

| Power Extender Product Line | | | | |
|---------------------------------------|---|---|--|---|
| | Single POE+ output 120/240VAC input TESSCO No. 553902 PWR-XTDR-VNV204 | Multi POE+ output 120/240VAC input TESSCO No. 586690 PWR-XTDR-VNV235 | Single POE+ output 277/480VAC input TESSCO No. 588929 PWR-XTDR-HI | Multi POE+ output 277/480VAC input TESSCO No. 299428 PWR-XTDR-VNV247 |
| Input Power | 90 to 264VAC, 60 Hz | | 180 to 520VAC, 60 Hz | |
| Output power | Base voltage: 12 VDC Additional Voltage: PoE+ (802.3at), 35W, one port | Base voltage: 12 VDC Additional Voltage: PoE+ (802.3at), 35W from injector, one port and two PoE ports from unmanaged switch. Max output from both ports 35W | Base voltage: 12 VDC Additional Voltage: PoE+ (802.3at), 35W, one port | Base voltage: 12 VDC Additional Voltage: PoE+ (802.3at), 35W from injector, one port and two PoE ports from unmanaged switch. Max output from both ports 35W |
| Hrs of Operation | 18 hrs operation from battery at max power draw | | | |
| Gigabit PoE | 10/100/1000 Mbps PWR+DATA OUT (Data + Power) | | | |
| Battery Backup System | Built-in charger w/sealed lead acid batteries. Automatic switch- over to battery. Low Voltage Disconnect included (disconnect voltage 10.5VDC, reconnect voltage 12.5VDC) | | Built-in charger w/sealed lead acid batteries. Automatic switchover to battery. Low Voltage Disconnect included (disconnect voltage 10 VDC, reconnect voltage 12.5VDC) | |
| Battery Charger current rating | 15A max | | 10A max | |
| Battery | 54 Ahr Partial State of Charge sealed lead acid battery. Estimated usable life is 4-5 years | 100 Ahr Partial State of Charge sealed lead acid battery. Estimated usable life is 2-3 years | 54 Ahr Partial State of Charge sealed lead acid battery. Estimated usable life is 4-5 years | 100 Ahr Partial State of Charge sealed lead acid battery. Estimated usable life is 2-3 years |
| System Protections | Low Voltage Disconnect, DC input fuse protection, short circuit protection (auto-reset) | | | |
| Terminal blocks | AC with 3 phase, 3PST, 2 position switch, DC for 12V and ground | | | |
| Operating Temperature range | -25C to +50C (-13F to + 122F) Includes temperature consideration for the battery(s) | | | |
| Enclosure | NEMA 4X white aluminum enclosure Includes pad lockable latches & mounting flanges | | | |
| Enclosure Dimensions | 18"H x 16" W x 12"D | 26"H x 16"W x 12"D | 18"H x 16"W x 12"D | 26"H x 16"W x 12"D |
| Enclosure Ports | One port for AC-input Two ports for RJ45 I/O | One port for AC-input, four ports for RJ45 I/O | One port for AC-input Two ports for RJ45 I/O | One port for AC-input, four ports for RJ45 I/O |
| Weight with batteries | 75 lbs | 100 lbs | 75 lbs | 100 lbs |
| Included but not installed | Battery harness, 1-hole plugs, 3 RJ45 glands | | | |