

PoE+ Solar Powered System for Outdoor Wi-Fi Access Points



Ventev's Wi-Fi Solar System is a complete, fully-integrated NEMA 4X enclosure system that is pre-wired and pre-assembled for on-site installation of outdoor access points requiring PoE/PoE+ power. These rugged systems include proven, long-lasting PSOC lead acid batteries and corrosion-resistant materials to provide many years of autonomous service in even the harshest environments. System sizing is critical to the reliable performance of solar power systems. Using the power draw of the industry's most popular access points, Ventev's solar power solution can be deployed in Zones A-D reliably (see graphic below). *Ventev power systems are covered by a 1-year warranty. See page 2 for details.*

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

SPECIFICATIONS

Sku:

255737

Product Number:

VS04-WIFI-POE-01

Dimensions:

Array:

60" x 52 "x 2"

Enclosure

27" x 18" x 15"

Construction:

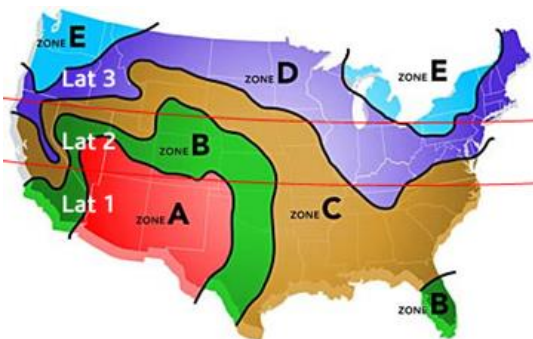
White powder coated aluminum

FEATURES AND BENEFITS

- Enables network designers to extend networks to locations where AC is not available
- Engineered for simplicity using universal PoE/PoE+ power
- One system designed with ample capacity to power radios across most of the United States
- Sized for 5 days of operation without recharge due to inclement weather
- Made of robust, long lasting components to stand the test of time
- Optimized PSOC battery technology ideal for daily charge/recharge cycles. Estimated battery life 3 -5 years.
- Designed with one gigabit Ethernet PoE injector for fastest data transfer rates

For Deployment Zones A-D

- The Ventev PoE+ Solar system is designed to provide primary power for common industry PoE and PoE+ access points only. System sizing is for deployments in Zones A-D for one PoE device. Call Ventev for Zone E deployments or if your solution requires additional active equipment.



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| | |
|-------------------------------|---|
| Solar System Includes: | |
| Solar Array | 280W solar array made of two 140W 17.4VDC Solar Modules. Polycrystalline modules are certified according to IEC 61215:1995 standard and manufactured under ISO9001 certified conditions. Anodized aluminum frame houses tempered glass with EVA lamination and a weatherproof backing that promotes long-life. Home run Cable: #10 THHN 15' array cable included. Module interconnect cable: #10 THHN 5' cable included. Array dimensions: 60" (L) x 52" (W) x 2" (D) |
| Array Mount | Side-of-pole mounting structure – adjustable tilt Bracket accepts 2-6" Nominal U-bolts. 3" Nominal (3.5" OD) U-bolt Included. See Page 3 for mounting drawing. |
| Battery Bank | 272Ahr battery bank consisting of two 136Ahr 12 volt sealed lead acid PSOC GEL battery – maintenance free |
| Enclosure | 27" x 18" x 15" white powder coated aluminum NEMA 4X enclosure. Stainless steel hardware with padlock latch. DIN rail mounting rail for electronics. Enclosure accepts 2-4" Nominal U-bolts. 3" Nominal (3.5" OD) U-bolt Included. See detail view of Enclosure Mounting Tab on page 3. |
| Power Rail | One Gigabit PoE Injector 56 VDC, 25.5W max output for powering PoE/PoE+ devices. 12VDC, 20A solar charge controller w/ low voltage disconnect, UL listed. Four breakers, DIN rail mounted for solar array, battery, and (2) load for NEC compliance |
| System Wiring | All system wiring, grounding terminal, and hardware installed |
| Operational Temp Range | -30C to +55C (- 22F to +131F) |
| System Weight | 205 lbs |
| Warranty | 1 year limited warranty from date of sale. This covers product malfunction and/or defects in material and workmanship. Ventev will repair or replace at no charge to buyer. |

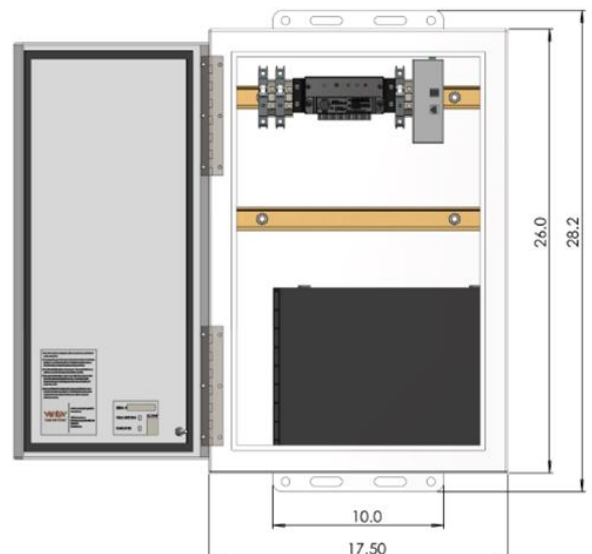
Sold Separately:

- Optional pole mount kit SKU 389792 – Allows mounting on up to 13" OD pole
- 25' outdoor Ethernet cable jumper TESSCO No. 309630
- For Wi-Fi radio antennas and jumpers, visit www.ventev.com/infra

Replacement parts

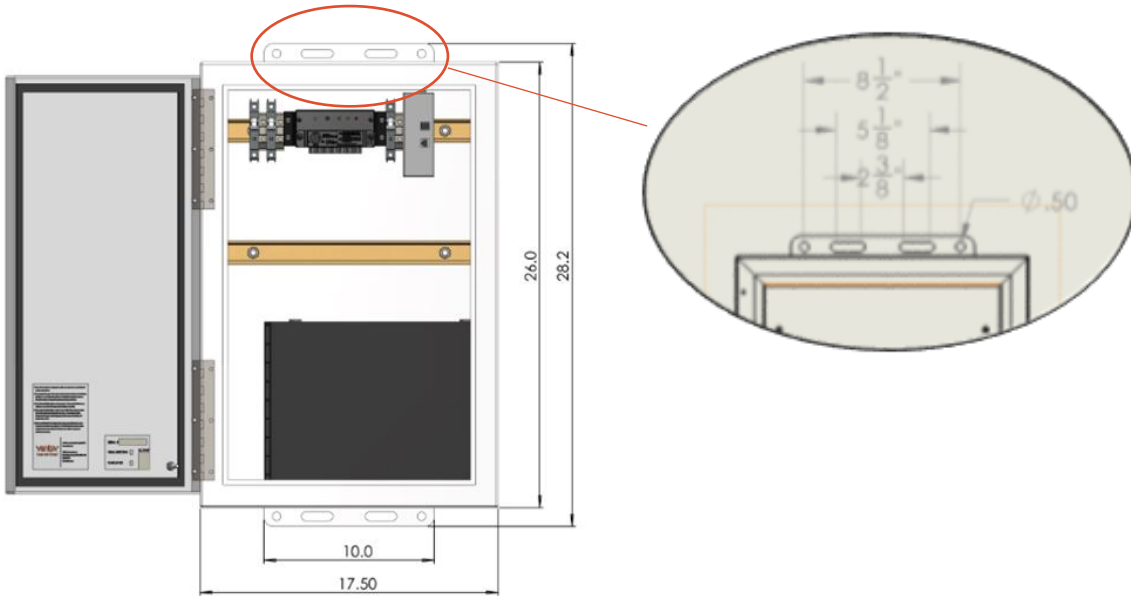
- PSOC lead acid batteries – Tessco No. 280761 (Qty 2 per Unit)

Solar systems are designed to provide enough power to support the known total system load for the location where the system is deployed, and the reserve days of autonomy for inclement weather. Adding equipment or changing the location will negatively affect the system's reliability.



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Enclosure Mounting Tab (Top and Bottom)



Array Mount Drawing

