

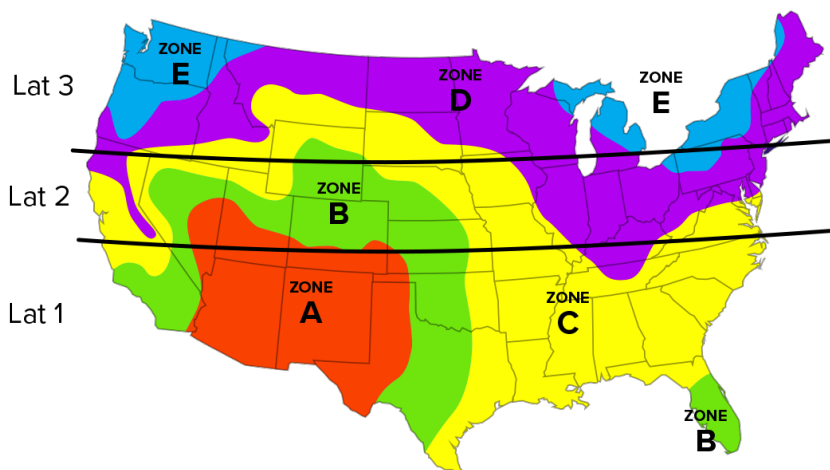
PoE+ Solar Powered System for Outdoor Wi-Fi Access Points

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.



Specifications

SKU	255737
Manufacturer Part Number	VS04-WIFI-POE-01
Dimensions	Array 60 x 52 x 2 in.
	Enclosure 27 x 18 x 15 in.
Construction	White powder coated aluminum



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 deployment in zones A-D for one PoE device. Call Ventev for zone E deployment or if your solution requires additional active equipment.

Features & 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 25.5 W 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

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Solar System Includes

Solar Array	280 W solar array made of two 140 W 17.4 VDC 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 in. (D)
Array Mount	Side-of-pole mounting structure – adjustable tilt Bracket accepts 2-6 in. Nominal U-bolts. 3 in. Nominal (3.5 in. OD) U-bolt Included. See Page 3 for mounting drawing
Battery Bank	272 Ahr battery bank consisting of two 136 Ahr 12 volt sealed lead acid PSOC GEL battery – maintenance free
Enclosure	27 x 18 x 15 in. white powder coated aluminum NEMA 4X enclosure. Stainless steel hardware with padlock latch. DIN rail mounting rail for electronics. Enclosure accepts 2-4 in. Nominal U-bolts. 3 in. Nominal (3.5 in. OD) U-bolt Included. See detail view of Enclosure Mounting Tab on page 3.
Power Rail	One Gigabit PoE Injector 56 VDC, 25.5 W max output for powering PoE/PoE+ devices. 12 VDC, 20 A solar charge controller with 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	-30°C to +55°C (- 22°F to +131°F)
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.

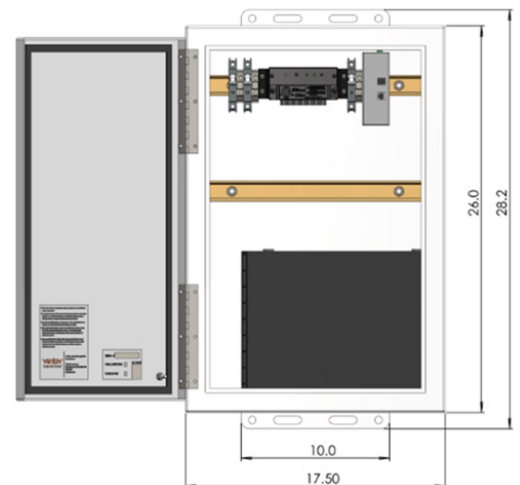
Accessories Sold Separately

- Optional pole mount kit SKU 389792 – allows mounting on up to 13 in. OD pole
- 25 ft. outdoor Ethernet cable jumper SKU 309630
- For Wi-Fi radio antennas and jumpers, visit www.ventev.com/infra

Replacement parts

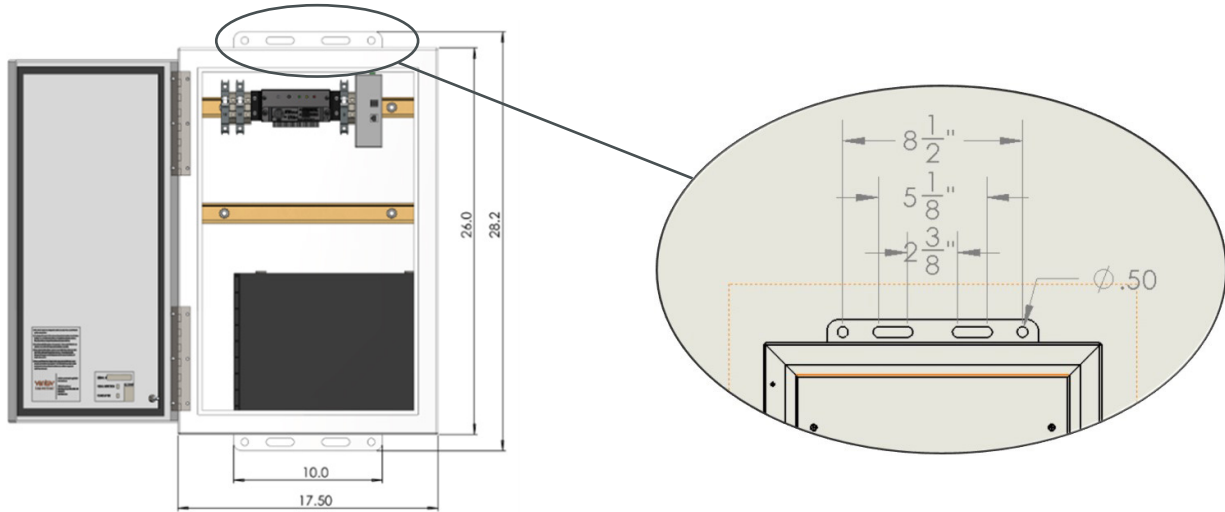
- PSOC lead acid batteries – SKU 280761 (qty. 2 per unit)

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

