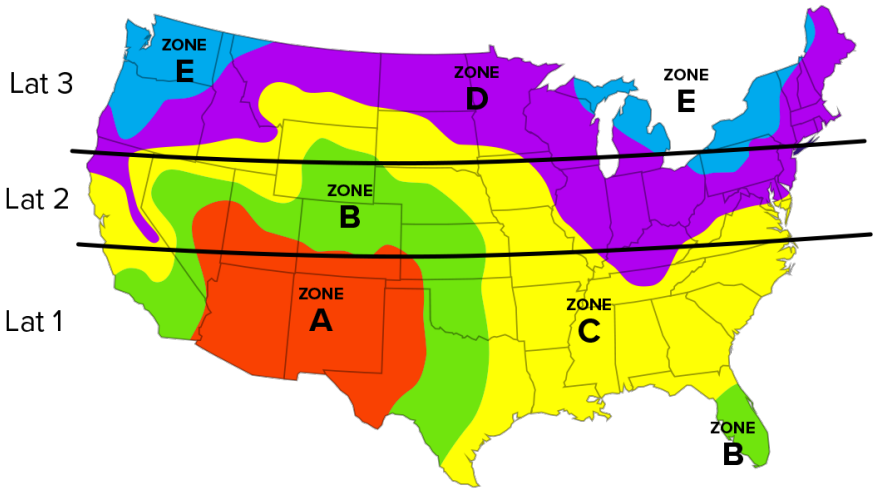
Solar Powered Systems for Outdoor Wi-Fi Access Points

Connect, Protect, and Enable™

Ventev's Wi-Fi Solar Systems are complete, fully-integrated NEMA 3R enclosure systems that ship pre-wired and pre-assembled for fast and easy on-site installation. These systems support outdoor access points and other outdoor network elements requiring 802.3af/at/bt PoE power. These rugged systems include proven, long-lasting 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. Ventev's solar power solutions are as easy to select as they are to deploy. These plug-and-play systems take the guesswork out of solar system sizing since they will work almost anywhere in the US (see graphic below). The solar power line now includes a 30, 60-, and 90-watt solution based on the power consumption of many industry leading wireless devices.

**Product image above is only an example of a pole-mounted solar power system and may or may not be an accurate representation of the actual product received upon purchase.*

SKU	MFG Part #	Power
295993	VS04-WIFI-POE-90	90 W
263862	VS04-WIFI-POE-60	60 W
236772	VS04-WIFI-POE-30	30 W



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 additonal active equipment.

Features

- Enables network designers to extend networks to locations where AC is not available
- Engineered for simplicity using universal 802.3af/at/bt power
- One system designed with ample capacity to power radios across most of the United States.No sizing required
- Made of robust, long lasing components to stand the test of time
- Designed with one or two gigabit Ethernet PoE injector(s) for fast data transfer rates

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Specifications

	30 W System	60 W System	90 W System
Solar Array	660 W solar array made of two 330 W 34.2VDC Solar Modules	1.2 kW solar array made of three 400 W 40.5 VDC Solar Modules	1.6 kW solar array made of four 400 W 40.5 VDC Solar Modules
	Mono-crystalline modules are certified according to IEC 61215/IEC 61730/UL 1703 standards 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 ft. cable included.		
Array Mount	Side of Pole mounting kit supporting 2 (330W) Solar Modules	Top of Pole mounting kit supporting 3-4 (400 W) Solar Modules.	
	Mounting hardware included for a 4.0 in. OD Schedule 40 pole (pole not included).		
Battery Bank	220 AHr, 24 VDC battery bank consisting of four 110 Ah 12-volt sealed lead acid batteries – maintenance free	440 AHr, 24 VDC battery bank consisting of eight 110 Ah 12-volt sealed lead acid batteries – maintenance free	660 AHr, 24 VDC battery bank consisting of twelve 110 Ah 12-volt sealed lead acid batteries – maintenance free
Enclosure	Aluminum NEMA 3R enclosure (s). Stainless steel hardware with padlock latch. DIN rail mounting rail for electronics. (4.0 in. OD) U bolts Included.		
	(1) 17.25 x 30 x 34.5 in. Enclosure	(2) 17.25 x 30 x 34.5 in. Enclosure	
Power Rail	One Gigabit PoE Injector 56 VDC, 30W max output for powering PoE/ PoE+ devices. 24 VDC, 30 A ProStar solar charge controller w/ low voltage disconnect, UL listed. Four breakers, DIN rail mounted for solar array, battery, and (2) load for NEC compliance.	Dual Gigabit PoE Injectors 56 VDC, 60 W max output for powering PoE/ PoE+ devices. 24 VDC, 45 A TriStar solar charge controller w/ low voltage disconnect, UL listed. Four breakers, DIN rail mounted for solar array, battery, and (2) load for NEC compliance.	Dual Gigabit PoE Injectors 56 VDC, 60 W max each output for powering PoE/ PoE+ devices. 24 VDC, 60 A TriStar 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	-30 °C to +55 °C (-22 °F to +131 °F)		
Dimensions	Array: 78 x 80 x 2 in. Enclosure: 17.25 x 30 x 34.5 in.	Array: 160 x 80 x 2 in. Enclosure: 17.25 x 30 x 34.5 in. (X2)	Array: 160 x 80 x 2 in. Enclosure: 17.25 x 30 x 34.5 in. (X2)
System Weight	575 lbs.	1053 lbs.	1638 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.		