

Solar Powered Systems for Outdoor Wi-Fi Access Points

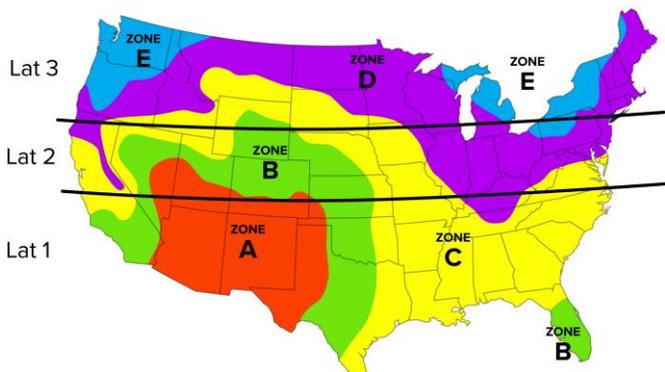


*The image above is only an example of a pole mounted solar power system and may or may not be an accurate representation of the actual product received upon purchase.

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.

Part Number Information

Skus	Part Number	Power (W)
295993	7712021	90W
263862	7712020	60W
236772	7712019	30W



FEATURES AND BENEFITS

- 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 lasting components to stand the test of time
- Designed with one or two gigabit Ethernet PoE injector(s) for fast 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.

Solar Powered Systems for Outdoor Wi-Fi Access Points

	30 W System	60 W System	90 W System
Solar Array	660W solar array made of two 330W 34.2VDC Solar Modules	1.2kW solar array made of three 400W 40.5VDC Solar Modules	1.6kW solar array made of four 400W 40.5VDC 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' cable included.		
Array Mount	One kits: Each kit supports two 330W modules	Two kits: Each kit has supports for one 400W module and two 400W modules	Two kits: Each kit supports two 400W modules
	Side-of-pole mounting structure – adjustable tilt Bracket accepts 2-6" Nominal U-bolts. 3" Nominal (3.5" OD) U-bolt Included.		
Battery Bank	220Ahr, 24Vdc battery bank consisting of four 110Ah 12-volt sealed lead acid batteries – maintenance free	440Ahr, 24Vdc battery bank consisting of eight 110Ah 12-volt sealed lead acid batteries – maintenance free	660Ahr, 24Vdc battery bank consisting of twelve 110Ah 12-volt sealed lead acid batteries – maintenance free
Enclosure	17.25 x 30 x 34.5 in white powder coated aluminum NEMA 3R enclosure. Stainless steel hardware with padlock latch. DIN rail mounting rail for electronics. Enclosure accepts 2-4" Nominal Ubolts. 3" Nominal (3.5" OD) U-bolt Included. Made from white powder coated aluminum.		
Power Rail	One Gigabit PoE Injector 56 VDC, 30W max output for powering PoE/PoE+ devices. 24VDC, 30A 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.	One Gigabit PoE Injector 56 VDC, 60W max output for powering PoE/PoE+ devices. 24VDC, 45A 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, 60W max each output for powering PoE/PoE+ devices. 24VDC, 60A 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	Two Arrays: 67 x 80 x 2 in Enclosure: 17.25 x 30 x 34.5 in	Two Arrays: 80 x 80 x 2 in Enclosure: 17.25 x 30 x 34.5 in
System Weight	575 lb	1053 lb	1638 lb
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		