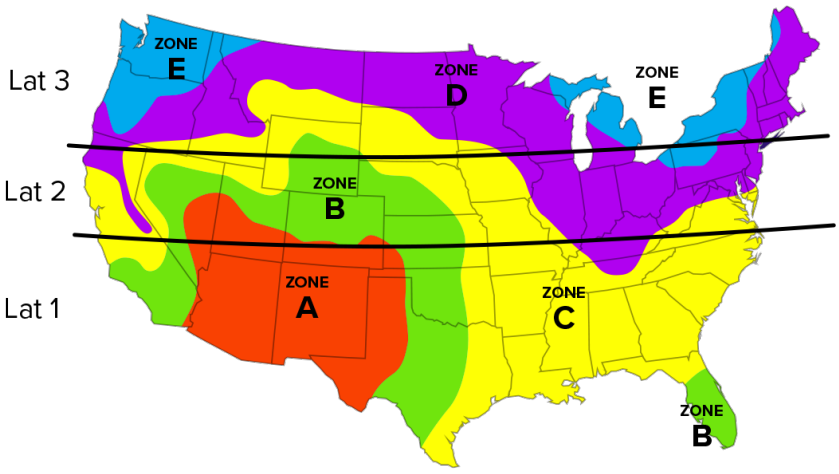
Solar Powered Systems

20 and 25 W

Connect, Protect, and Enable™

These Ventev Wi-Fi Solar Systems are a fully-integrated NEMA 3R enclosure system that ships pre-wired and pre-assembled for fast and easy on-site installation. These systems support many outdoor access points and other outdoor network elements requiring up to 25 W. 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 complete Ventev solar power line includes designs from 18 W thru 90 W PoE considering the power consumption of many industry-leading wireless devices.



For Deployment Zones A-D

The Ventev Solar System is designed to provide primary power for common industry PoE and non-PoE devices. System sizing is for deployments in Zones A-D of typically one device. Call Ventev for Zone E deployments or if your solution requires additional devices to be powered..

**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
601843	VS30-24-0345-110	20 W
601845	VS31-24-0450-150	25 W

Features & Benefits

- Enables network designers to extend networks to locations where AC is not available.
- One system designed with ample capacity to power radios across most of the United States. No sizing required.
- Designed for 5 days of autonomy.
- Made of robust, long lasting components to stand the test of time.

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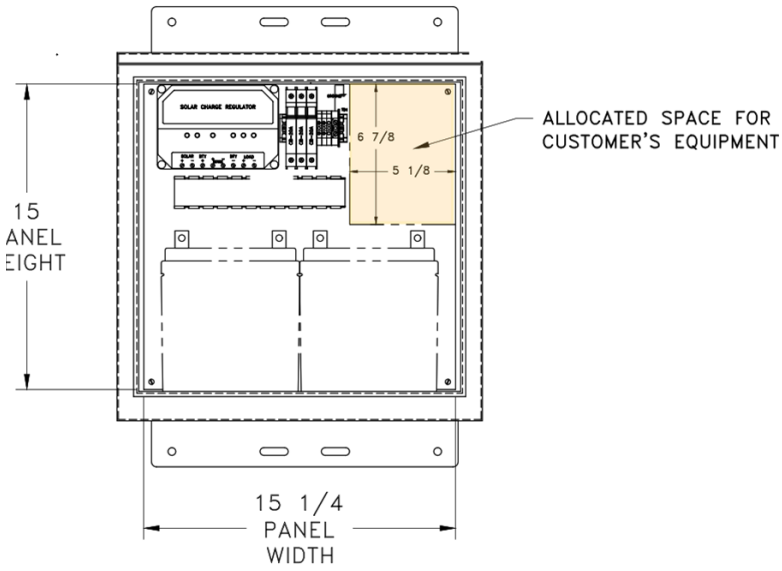
Specifications

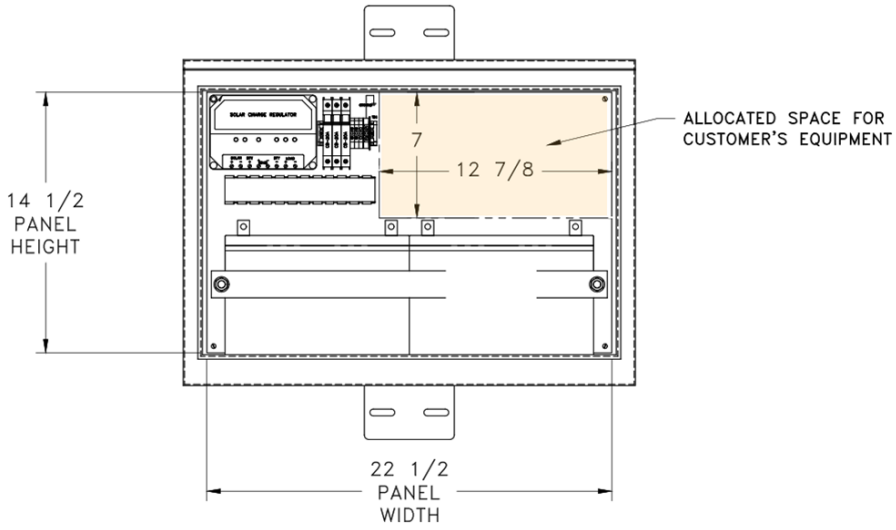
	20 W System	25 W System
Solar Array	345 W, 24 V solar array	450 W, 24 V solar array
	Mono-crystalline modules are certified according to IEC 61215/IEC 61730/UL 1703 standards and manufactured under ISO9001 certified conditions. Anodized aluminum frame houses tempered glass with EVA lamination and a weatherproof backing that promotes long-life. Home run cable: #10 THHN 15 ft. array cable included. Module interconnect cable: #10 THHN 5 ft. cable included.	
Array Mount	Side of pole mounting kit supporting 345 W solar array.	Side of pole mounting kit supporting 450 W solar array.
	Mounting hardware included for a 4 in. OD Schedule 40 pole (pole not included).	
Battery Bank	110 AHr, 24 Vdc battery bank consisting of two 110 Ah 12-volt sealed, maintenance free, lead acid batteries.	150 AHr, 24 Vdc battery bank consisting of two 110 Ah 12-volt sealed, maintenance free, lead acid batteries.
Enclosure	Aluminum NEMA 3R enclosure. Stainless steel hardware with padlock latch. DIN rail mounting rail for electronics. (4.0 in. OD) U bolts included.	
Power Rail	24 VDC, 30 A ProStar solar charge controller with low voltage disconnect, UL listed. Four breakers, DIN rail mounted for solar array, battery, and (2) load for NEC compliance.	24 VDC, 15 A charge controller with meter, 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	
Operating Temp Range	-30°C to +55°C (-22°F to 131°F)	
Dimensions	Array: 80 x 40 x 2 in. Enclosure: 18 x 18 x 18 in.	Array: 83 x 41 x 2 in. Enclosure: 22 x 26 x 17 in.
System Weight	345 lbs.	590 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

- Gigabit 70 W PoE injector SKU 540204
- 3.5 in. OD pole SKU 202206
- Pole mount kit for utility poles SKU 389792
- 24 V/12 V DC-DC converter SKU 585944



SKU 601843



SKU 601845