Solar Power Ethernet Kit for Remote Locations



NWKSP(X)





The NetWave® Solar off the grid power systems are designed for applications where a remote camera or wireless repeater is needed but power is not available or the cost to run power is too expensive. NetWave Solar is a complete system for providing remote power to edge communications equipment. The kit includes a high quality photovoltaic solar panel, sealed lead acid batteries, outdoor enclosure, power controller with integrated power injection module and all the mounting hardware. The steel outdoor enclosure has a gasketed hinged lid with two tamper proof locks operated by a special key for high security. The enclosure and the panel can be mounted to a two-to-four inch pole or to a wall with the included mounting hardware. The included controller protects against overcharge and over discharge while the high performance batteries give the best available deep discharge and temperature performance.

FEATURES

- > Warranty: 1 Year on Batteries
 2 Year on Solar Panel and Hardware
- $^{>}$ Solar panel and controller are Environmentally Hardened for $^{-}30^\circ$ to $+60^\circ\text{C}$
- > Photovoltaic Solar Panel ranging from 30 Watts to 240 Watts
- Weatherproof powder coated steel enclosure that meets NEMA 4X/IP65 weatherproofing standards
- > Valve Regulated Sealed Lead Acid GEL Battery with great low temperature performance to -60C
- Solar Charge controller with 12V to 48V DC-DC power converter designed for PoE systems

APPLICATIONS

- > Remote Surveillance Cameras
- > Wireless Perimeter Surveillance
- > Temporary Network Surveillance Deployments
- Construction Site Network Access

SPECIFICATIONS

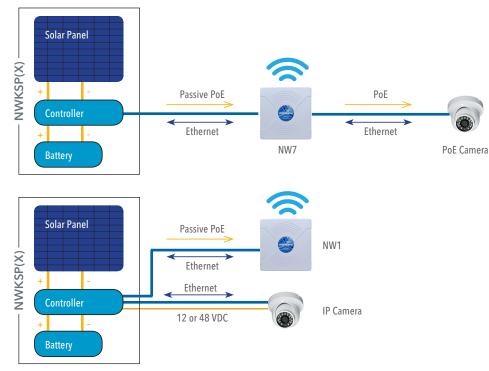
Power

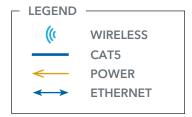
Power		Part Number	NWKSP1	NWKSP2	NWKSP3
Battery Voltage PoE Output Voltage Reserve Time	12 V 48 V 40 Hours	Continuous Power Peak Sunlight	15 W 3 Hours	15 W 6 Hours	30 W 6 Hours
Controller		Battery Capacity Solar Panel Size	102 Ah 60 W	102 Ah 30 W	204 Ah 120 W
Controller Type Controller Self Consumption Enclosure	30 W PoE DCDC Converter <0.5 W Powder Coated Steel	System Weight with Batteries	165 lb (74.8 kg)	170 lb (77.1 kg)	250 lb (113.4 kg)
Mechanical		NOTE: In a continuing effort to improve and advance technology, product specifications are subject to change without notice.			
Enclosure Size	Powder Coated Steel 24 × 15 × 14 in (60.96 × 38.1 × 35.56 cm)	Battery	ions are subject to	change without	notice.
Environmental		Solar Panel	2 Years		
MTBF Operating Temp Storage Temp Relative Humidity	>100,000 hours -30° C to +60° C -40° C to +85° C 5% to 95%	AGENCY COMPLIANCE		C Low Powe	er Consumption

ORDERING INFORMATION

Part Number	Description
NWKSP1	15W continuous power solution with 60W Solar Panel and 2 x 51Ah Batteries
NWKSP2	15W continuous power solution with 30W Solar Panel and 2 x 51Ah Batteries
NWKSP3	30W continuous power solution with 120W Solar Panel and 4 x 51Ah Batteries
Included Accessories	Enclosure, Mounting hardware for the Solar Panel, Enclosure, Controller, and Cables.
Options User selection of Industrially Hardened NetWave® Wireless Ethernet Units	

TYPICAL APPLICATIONS





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