



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° to +60°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

Battery Voltage	12 V
PoE Output Voltage	48 V
Reserve Time	40 Hours

Controller

Controller Type	30 W PoE DCDC Converter
Controller Self Consumption	<0.5 W
Enclosure	Powder Coated Steel

Mechanical

Enclosure	Powder Coated Steel
Size	24 x 15 x 14 in (60.96 x 38.1 x 35.56 cm)

Environmental

MTBF	>100,000 hours
Operating Temp	-30° C to +60° C
Storage Temp	-40° C to +85° C
Relative Humidity	5% to 95%

Part Number	NWKSP1	NWKSP2	NWKSP3
Continuous Power	15 W	15 W	30 W
Peak Sunlight	3 Hours	6 Hours	6 Hours
Battery Capacity	102 Ah	102 Ah	204 Ah
Solar Panel Size	60 W	30 W	120 W
System Weight with Batteries	165 lb (74.8 kg)	170 lb (77.1 kg)	250 lb (113.4 kg)

NOTE: In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

Warranty

Battery	1 Year
Solar Panel	2 Years

AGENCY COMPLIANCE
 FC CE RoHS COMPLIANT
 PART 15 COMPLIANT

Low Power 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

