

Portable Solar System Powering Communications, Surveillance, Sensors, Personal Electronics in Dispersed and Remote Locations

75 to 150 Watts of Continuous 24/7 Power

Fully-Integrated Solar & Power Electronics in a Single Transport Case Provides DC / AC System Power and Charging for Military Batteries

Key Features

- Multi-mode Charging & Power Supply
- 5V USB, 28.8V DC, Optional 1,000W / 110V AC
- Plug & Play NATO, USB, ITT Cannon Connections
- Man-movable & Vehicle-Transportable
- Easy Setup/Pack-up for Mobile & Transitory Use
- Scalable:
 - Connect 2 systems in parallel for 2x power
 - Connect solar directly external solar & hybrid power and battery charging systems

Applications & Uses

- Stand alone battery charging station for communications, robot, UAS & sensor batteries
- Power vehicle "hotel" loads for "silent watch"
- Charge 24V Lead-acid & Lithium 6T vehicle batteries through NATO connection or directly
- Power 22-30V DC/Battery-dependent systems: mobile fire control, persistent surveillance, remote sensors, communication relay, etc.
- USB end-user devices, tablets, etc.

Outpost 75 Kit and Options

Integrated Components	Nishati Expedition™ 570 Portable Solar Array kit with the following contents: <ul style="list-style-type: none"> • 4) Nishati Endurance™ 140 solar panels with Merlin™ Interconnect • (1) Rugged transport case with integrated assembly-free solar panel and racking • (1) 35-foot Export Power Cable • (16) empty sandbags 	
Optional Items	<ul style="list-style-type: none"> • Outpost™ 75-C1000 1000W DC/AC Inverter • BB-2590 (250 Watt-hr) Li-ion batteries (294 Watt-hr option available) • NATO Slave Adapter / Paralleling Cable • Bypass Adapter 'Y' Cable (for direct solar power to external solar and hybrid power controllers) 	
Warranty	2 years limited warranty against defective material & workmanship	
System Power	Rated solar capacity	570W
	Efficiency	19% (solar); >95% (electronics)
	DC Export Power	500W (typical); 576W (peak) – double for 2 Outpost 75 28.8V (22-30V), 20A (max)
	AC Export Inverter Power	1,000W / 110V / 8A (40A max input)
	USB	5V DC
	Energy Storage	1,000 Watt-hrs (with four 250 Watt-hr BB-2590 installed)
System Dimensions	Transport Configuration	43.00"L x 38.37"W x 6.75"D
	Deployed Configuration	76.7" L x 43.0"W
	Weight	114 lbs. (beta); 100 lbs. (v1)
Environmental	IP55 (beta); IP67 (v1); 70 mph Wind Load; Operating/Storage Temp (-25°C to 65°C/-40°C to 75°C)	

Power Availability

Configuration	Power	Rating	Duration (per day)
Single system	75W	Continuous	24 hrs
Two Systems Paralleled	150W		
Single system	500W (576W peak)	Typical Daytime	4 to 8 hrs
Two Systems Paralleled	1,000W (1,100W peak)		

