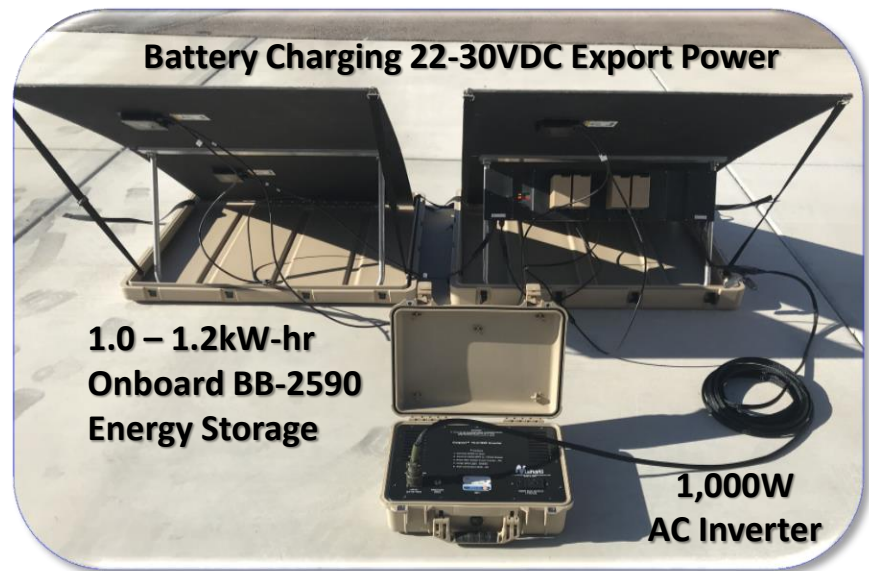


570-Watt Solar Capacity | 75 to 150 Watts of Continuous 24/7 Power
Power Communications, Surveillance, Sensors, Personal Electronics
in Dispersed Operations and Remote Locations

Nishati Expedition™ 570
570W Portable Solar Array



Integrated Power and Charging Module



Battery Charging 22-30VDC Export Power

1.0 – 1.2kW-hr
Onboard BB-2590
Energy Storage

1,000W
AC Inverter

Fully-Integrated Solar, Power Electronics & Energy Storage 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 to 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.

Nishati Outpost™ 75

Outpost™ 75 Kit and Options

Part Number	228651X75	
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 (225 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 / 9.1A (40A max input)
	USB	5V DC
	Onboard Energy Storage	~1,000 Watt-hrs (BB-2590 battery version/capacity dependent)
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	Solar + Integrated Power & Charging Module: 100.5 lbs. Inverter: 18.8 lbs. Cables / Adapters in Hard Case: 14.5 lbs.
Environmental	IP67; 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)		



2200 E. Williams Field Rd. Ste 200
Gilbert, AZ 85295
571-999-3482



Website: www.nishati-us.com

Patents: www.nishati-us.com/patent

E-mail inquiries: Info@nishati-us.com