



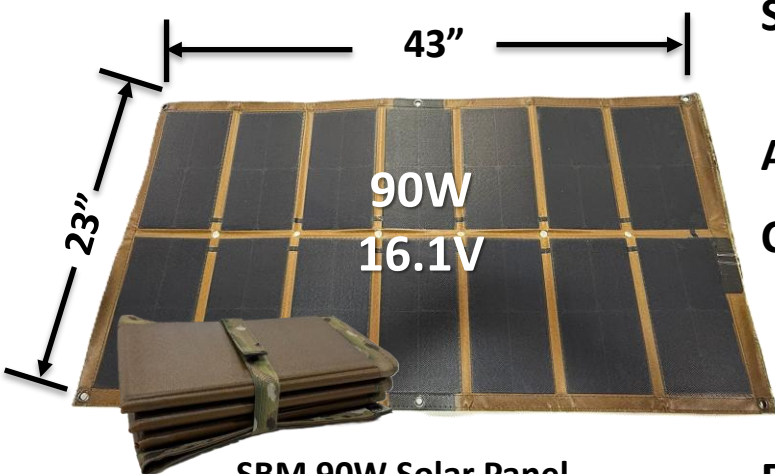
Nishati  
Power  
Technologies™

# Outpost™ 15

## Micro Uninterruptable Power Supply

### 15 Watts of Continuous 24/7 Power

Power and Charge Low-Power Systems and Military Batteries



SBM 90W Solar Panel

**Solar In** | 90-watt / 16.1-volt  
Compact Folding Solar Panel

**AC In** | Charge from 120V/60 Hz or 220V/50 Hz AC

**Charging + Auxiliary Power Out**

**New!** Outpost™ Mini Power Manager  
11-16.5V / 100W Peak power to radios, sensors,  
battery charging adapters

**Energy Storage** | BB-2590 (sold separately)

#### Compact and Lightweight

Solar Panel (folded)  
11.5"L x 6.75"W x 3.0"D | 4.0 lbs.

Charger  
2.73"L x 2.54"W x 1.63"H | 0.6 lbs.

AC-DC Power Supply  
6.4"L x 1.7"W x 1.3"H | 0.97 lbs.



Outpost™ Mini Power Manager 40W™ AC-DC Power Supply

**Simple** No buttons - just connect & charge! LEDs provide system state, solar input, & fault indications

**Efficient & Effective**  $\geq 98\%$  Solar charging and  $\geq 96\%$  auxiliary power efficiency  
High-speed maximum power point tracking and parallel charging reduces charging time

**Flexible** Polarized SAE 2-pin input accepts power from solar, AC-DC power supply (included) and other DC sources  
Parallel multiple chargers from one power source and parallel auxiliary power output  
Data over RS485 connection for external battery monitoring and charger switching  
Use adapters to charge/power a variety of devices

**Robust** Reverse Polarity, Short Circuit, Over-/Under-Temperature Protections  
Wakes up/charges depleted batteries  
Charges even if battery communications fail

**Durable & Weatherproof** Designed and built to military standards  
Protected against dust and water immersion (up to 1 m)



# Outpost™ 15 Micro UPS

Nishati Outpost™ 15 Specifications				
Part Number	242245			
Basic Kit Components	(1) SBM 90W Compact Folding Solar Panel [P/N SBMF-90W-M-P] <ul style="list-style-type: none"><li>• Integrated SAE 2-pin cable (shrouded)</li><li>• Six grommated attachment points</li><li>• Protected against reverse current / polarity and shading effects</li></ul> (1) Nishati Outpost™ Mini Power Manager [P/N 914001] <ul style="list-style-type: none"><li>• Solar In: 120W / 10 - 50V / SAE 2-pin</li><li>• DC Out + Data** Interface: 100W / 6A max @11-16.5V / M12 4-pin</li></ul> **RS485 (2-wire) Switching and Battery Data Monitoring (1) 40W Constant Voltage/Constant Current AC/DC Power Supply [P/N 96001]			
Optional Items	<ul style="list-style-type: none"><li>• 125W DC-AC pure sine wave inverter: 12V DC (SAE 2-pin) IN 120V/60Hz OUT</li><li>• BB-2590 (225 Watt-hr) Li-ion batteries (294 Watt-hr option available)</li><li>• SAE 2-pin extension cables   12-in./6-ft./15-ft. standard   custom lengths &amp; Y cables</li><li>• External Battery &amp; Radio Power Adapters (inquire on specific availability)</li></ul>			
Warranty	2 years limited warranty against defective material & workmanship			
Solar Panel Power	Rated Power (P <sub>max</sub> )	90 Watts (-0%, +3%)	At Standard Test Conditions: Cell temperature 25°C Air Mass 1.5 Solar Irradiance 1000 W/m <sup>2</sup>	
	V <sub>mp</sub>	16.1V (±3%)		
	I <sub>mp</sub>	6.0A (±3%)		
	V <sub>oc</sub>	20.3V (±3%)		
	I <sub>sc</sub>	6.3A (±3%)		
Solar Panel Dimensions & Weight	Folded Dimensions	11.5”L x 6.75”W x 3.0”D		
	Deployed Configuration	43”L x 23”W		
	Weight	4.0 lbs.		
AC/DC Power Supply	AC Input Voltage	90 – 305VAC		
	AC Input Frequency	47 – 63 Hz		
	AC Input Current	0.6A / 115VAC 0.3A / 230VAC		
	DC Output Voltage	24V		
	DC Output Current	1.67A		
	Rated Power	40W		
	Connectors	NEMA 5-15 (Input) / SAE 2-pin (Output)		
	Dimensions	6.4”L x 1.7”W x 1.3”D		
	Weight	0.97 lbs.		
Solar/DC Battery Charger	Operating Temps. (case)	-40°C to 80°C		
	DC Input Power (P <sub>i</sub> )	120W (Max)		
	DC Input Voltage (V <sub>in</sub> )	10V – 50V		
	Battery Voltage (V <sub>batt</sub> )	10V – 20V		
	Auxiliary Power (P <sub>aux</sub> )	100W (max at 16.5V)		
	Aux. Power Voltage (V <sub>aux</sub> )	11V – 16.5V [BB-2590 battery required]		
	Aux. Power Current (I <sub>aux</sub> )	6A (continuous) / 10A (peak) [BB-2590 battery required]		
	Dimensions   Weight	2.73”L x 2.54”W x 1.63”D   0.6 lbs.		
	Ambient Operating Temp (T <sub>A</sub> )	-30°C to 60°C (Charging) / -20°C to 50°C (Discharging)*		
Environmental	Storage Temp. (T <sub>STG</sub> )	-50°C to 85°C		
	All components IP67 (Dust proof; waterproof to 1m immersion)			

\*Charging BB-2590 below 0°C may negatively impact battery capacity & lifetime. MPM limits charging to 2.5A <0°C<sup>2</sup>

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**Portable • Reliable • Rugged**  
**Military Power**

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