Nishati Power Technologies™

Outpost™ 5

Micro Uninterruptable Power Supply

5 to 15 Watts of Continuous 24/7 Power

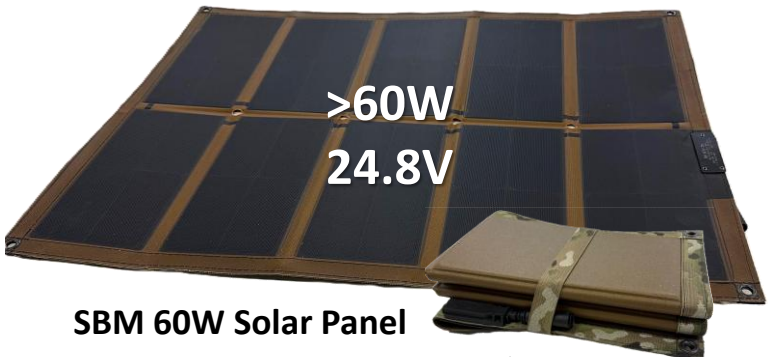
Charge BB-2590 Batteries & Power Radios, Sensors, End-User Devices

Solar In | One or more 60-watt / 24.8-volt Compact Folding Solar Panels – up to 120W total

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

Charging + Auxiliary Power Out | Outpost™ Mini Power Manager | 11-16.5V / 100W Peak power to radios, sensors, charging adapters

Energy Storage | BB-2590 (sold separately)



SBM 60W Solar Panel



Outpost™ Mini Power Manager



40W ™ AC-DC Power Supply

Compact and Lightweight 11.5”L x 6.8”M x 2.75”D | 3.1 lbs. (Solar Panel)
2.73”L x 2.54”W x 1.63”H | 0.6 lbs. (Charger)
6.4”L x 1.7”W x 1.3”H | 0.97 lbs. (AC/DC Power Supply)

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

Efficient & Effective ≥98% Solar charging and ≥ 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)

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Outpost™ 5 Micro UPS

Nishati Outpost™ 5 Specifications

Part Number	242235		
Basic Kit Components	(1) SBM 60W Compact Folding Solar Panel **[P/N SBMF-60W-M]** • Integrated SAE 2-pin cable (shrouded) • Six grommeted attachment points • Protected against reverse current / polarity and shading effects (1) Nishati Outpost™ Mini Power Manager **[P/N 914001]** • Solar In: 120W / 10 - 50V / SAE 2-pin • DC Out + Data** Interface: 100W / 6A max @11-16.5V / M12 4-pin **RS485 (2-wire) Switching and Battery Data Monitoring (1) 40W Constant Voltage/Constant Current AC/DC Power Supply **[P/N 96001]**		
Optional Items	• 125W DC-AC pure sine wave inverter: 12V DC (SAE 2-pin) IN|120V/60Hz OUT • BB-2590 (225 Watt-hr) Li-ion batteries (294 Watt-hr option available) • SAE 2-pin extension cables | 12-in./6-ft./15-ft. standard | custom lengths & Y cables • External Battery & Radio Power Adapters (inquire on specific availability)		
Warranty	2 years limited warranty against defective material & workmanship		
Solar Panel Power (+/- 3%)	Rated Power (P_{max})	>60 Watts	**At Standard Test Conditions:** **Cell temperature 25°C** **Air Mass 1.5** **Solar Irradiance 1000 W/m²**
	V_{mp}	24.8V	
	I_{mp}	2.9A	
	V_{oc}	29.0V	
	I_{sc}	3.1A	
Solar Panel Dimensions & Weight	Folded Dimensions	11.5”L x 6.8W x 2.75”D	
	Deployed Configuration	32”L x 23.1”W	
	Weight	3.1 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.	
	Operating Temps. (case)	-40°C to 80°C	
Solar/DC Battery Charger	DC Input Power (P_i)	120W (Max)	
	DC Input Voltage (V_{in})	10V – 50V	
	Battery Voltage (V_{batt})	10V – 20V	
	Auxiliary Power (P_{aux})	100W (max at 16.5V)	
	Aux. Power Voltage (V_{aux})	11V – 16.5V [BB-2590 battery required]	
	Aux. Power Current (I_{aux})	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_A)	-30°C to 60°C (Charging) / -20°C to 50°C (Discharging)*	
	Storage Temp. (T_{STG})	-50°C to 85°C	
Environmental	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[2]

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Portable • Reliable • Rugged
Military Power

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