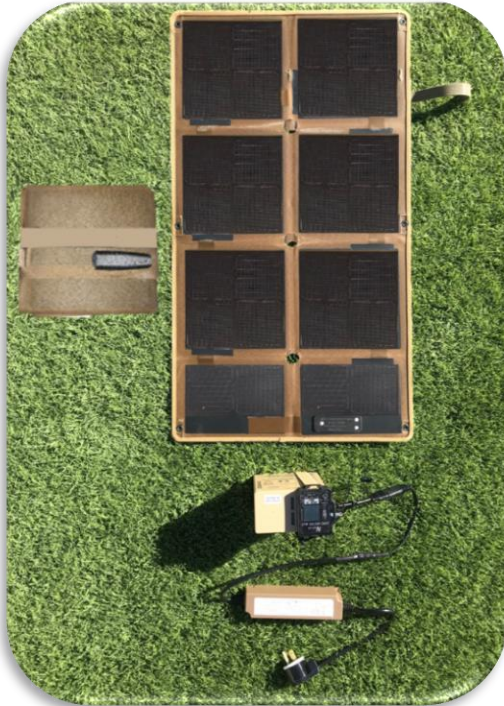


### 5 to 15 Watts of Continuous 24/7 Power

#### Power and Charge Low-Power Systems and Military Batteries



- **Solar In**

One or more 30-watt / 15-volt Endurance™ 30 Pocket Solar Panels (PSP) for up to 90 watts of solar input

- **AC In**

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

- **Charging + Auxiliary Power Out**

MilSpec Fast-Charge Solar /DC Battery Charger  
15V / 32W continuous (50W Peak) power to radios, sensors, battery charging adapters

- **Energy Storage**

BB-2590 (baseline); charge other battery types with optional X-90 Smart Adapters

### Key Features

- **Efficient** 96 - 98% Solar charging & aux power efficiency
- **Effective** High-speed maximum power point tracking delivers maximum solar charging power
- **Compact and Lightweight** 7.25" x 7.25" x 1.15" | 1.0 lb. (Solar Panel)  
2.83"L x 2.0"W x 0.9"H | 0.2 lbs. (Charger)  
6.4"L x 1.7"W x 1.3"H | 0.97 lbs. (AC/DC Power Supply)
- **Simple** No buttons – Connect and charge!  
LCD indicates battery State of Charge, State of Health, Input Power, Time Until Charged / Discharged, and Faults
- **Robust** Reverse Polarity, Over Temp., Active Current Limiting  
Wake-up mode revives depleted batteries
- **Flexible** Parallel multiple chargers from a one power source  
Polarized SAE 2-pin input accepts power from included AC/DC power supply and other DC sources; Use with or without battery  
Use adapters to charge many other battery types
- **Durable & Weatherproof** MIL-STD-810G and IP67 compliant



# Nishati Outpost™ 5

Nishati Outpost™ 5 Specifications		
<b>Part Number</b>	242235	
<b>Basic Components</b>	(1) PN 221286   Nishati Endurance™ 30 Pocket Solar Panel (1) PN 227715   X-90 Micro Aux Portable Fast Charge Solar / DC Battery Charger (1) PN 227716   40W Constant Voltage/Constant Current AC/DC Power Supply	
<b>Optional Items</b>	<ul style="list-style-type: none"> <li>• BB-2590 (225 Watt-hr) Li-ion batteries (294 Watt-hr option available)</li> <li>• X-90 Smart Battery Adapters (inquire on availability for specific batteries)</li> </ul>	
<b>Warranty</b>	2 years limited warranty against defective material & workmanship	
<b>Solar Panel Description</b>	<b>PV cells:</b> Mono-crystalline Silicon (mc-Si) PERC; mc-Si HIT also available <b>Cell Quantity / Layout:</b> 28 x ¼ cells / 4 x 7 <b>Electrical Interconnect:</b> Merlin™ Interconnect <b>Power Output Connections:</b> (1) Integrated SAE 2-pin <b>Attachments:</b> Braided nylon loops (Grommet options available)	
<b>Solar Panel Power</b> (+/- 3%) [@25°C, AM1.5, 1000W/m²]	Rated Power ( $P_{max}$ )	32.5 Watts (at 25°C, AM1.5, and 1000W/m²)
	$V_{mp}$	15.34V
	$I_{mp}$	2.12A
	$V_{oc}$	18.08A
	$I_{sc}$	2.21A
<b>Solar Panel Dimensions &amp; Weight</b>	Folded Dimensions	7.25"L x 7.25"W x 1.15"D (panel + JBox) / 0.70"D (panel)
	Deployed Configuration	27.56"L x 14.75"W x 0.68"D (panel + JBox) / 0.06"D (panel)
	Weight	1.0 lbs.
<b>AC/DC Power Supply</b>	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
<b>Solar/DC Battery Charger</b>	DC Input Power ( $P_i$ )	80W (max)
	DC Input Voltage ( $V_{in}$ )	10V – 50V
	Battery Voltage ( $V_{batt}$ )	10V – 20V
	Aux. Power Voltage ( $V_{aux}$ )	11V – 16.8V
	Aux. Power Voltage ( $V_{aux}$ )	11V – 16.8V
	Dimensions	2.83"L x 2.0"W x 0.9"D
	Weight	0.97 lbs.
	Operating Temps. (Ambient)	-30°C to 60°C
<b>Environmental</b>	All components IP67 (Dust proof; waterproof to 1m immersion)	

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