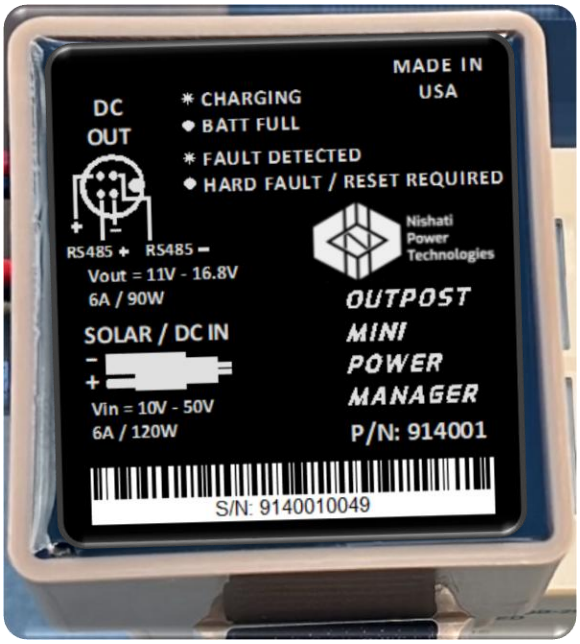
Nishati Power Technologies™

Outpost™ Mini Power Manager

Portable, Rugged High-efficiency Smart Charging and Power

Charge BB-XX90 Batteries & Power Radios, Sensors, End-User Devices





Compact and Lightweight 2.73”L x 2.54”W x 1.63”H | 0.6 lbs. | Battery SOC windows visible

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

Efficient ≥98% Solar charging and ≥96% auxiliary power efficiency

Effective High-speed maximum power point tracking delivers maximum solar charging power
Minimizes charge time by charging two battery cell strings simultaneously
Charge while delivering up to 6A to auxiliary loads

Flexible Polarized SAE 2-pin input accepts power from solar 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

Robust Reverse Polarity, Short Circuit, Over- / Under-Temperature Protections
Wakes up/charges depleted batteries
Charges even if battery communications fail; monitors temp. to protect battery in cold weather

Durable Designed and built to military standards for use in harsh conditions and use cases

Weatherproof Protected against dust and water immersion (up to 1 m)

Copyright © 2026 All Rights Reserved

Nishati Power Technologies™

Outpost™ Mini Power Manager

Nishati Outpost™ Mini Power Manager Specifications

General Description				
Part Number	914001			
Power Input Connection	(1) SAE 2-pin 12” pigtail			
Auxiliary Power and Data Connection	(1) M12, 4-pin, 12” pigtail			
Limited Warranty	2 years			
Power Characteristics	**Min.**	**Typ.**	**Max.**	**Conditions**
DC Input Voltage (V_{in})	10V	20V	50V	
Battery Voltage (V_{batt})	10V	-	20V	
Auxiliary Power Voltage (V_{aux})[1]	11V	-	16.5V	BB-2590 battery required
Total Batt. Charging Current (I_{batt})	0A	-	6A	
Auxiliary Power Current (I_{aux})[1]	-	-	6A	Continuous
			10A	Absolute maximum
Input Power (P_i)	0	-	120W	
Battery Charging Power (P_{batt})	0	80W	100W	
Auxiliary Power (P_{aux})[1]	-	-	100W	Continuous, V_{aux} = 16.5V
Efficiency: DC In to Battery	-	>96%	-	
Efficiency: Battery to Aux Power Out	-	>98%	-	
Ambient Operating Temp. (T_A)	-40°C	–	60°C	Discharging
	-20°C	-	50°C	Charging [software-limited to 2.5A below 0°C[2]]
Storage Temp. (T_{STG})	-50°C	–	85°C	
Internal Temp. Limiting (T_{LIM})	-	85°C	-	Auxiliary port turns off and battery charge power reduces to maintain temperature limit[3]

Data	
Battery Management System Data	RS485 2-wire | Single-character query and response (115,200 bps)
RS485 Switching	On, Off / Ship Mode, Fault / Hibernate Reset

Charger Dimensions & Weight	
L x W x D	2.73” x 2.54” x 1.63”
Weight	0.6 lbs.
Environmental	IP67 (Dust proof; waterproof to 1m immersion)

Notes:

1) BB-2590 only
2) Charging BB-2590 below 0°C may negatively impact battery capacity and lifetime
3) External case temperature can become hot in certain high load conditions, use caution when handling

7320 E Pecos Rd., Unit 110
Mesa, AZ 85212
571-999-3482

Portable • Reliable • Rugged
Military Power

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

Copyright © 2026 All Rights Reserved