

- Simultaneous charging two of each of the following batteries:
AN/PRC-148, AN/PRC-152, BB-2590, CWB and USB devices
- Cable-free charging of all listed batteries (no external cables or adapters)
- Fast charging: Two BB-2590 batteries simultaneously in 2.5 hours
- Built-in Solar MPPT for direct connection to solar panels
- Displays charging power, Battery State of Charge and State of Health
- Scavenges power from two user-selectable ports
- High Power Inductive (Wireless) charging for compatible smart phones



Universal Battery Charger Lite (UBC-Lite)



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The expeditionary Universal Battery Charger Lite (UBC-Lite) provides a charging platform for a wide range of military batteries. In fact, the UBC-Lite provides two cable-free charging port for each of the following batteries; BB-2590, AN/PRC-148 or AN/PRC-152, CWB and USB devices while providing two input DC ports. UBC-Lite allows harvesting from a BB-2590, a CWB or either of its two input DC ports. UBC-Lite is designed as a backpack portable charger for all military charging needs. The base unit weighs less than 1.5 pounds packed with features like wireless charging, built-in battery and power analyzer, and digital display. Its main SAE connector allows direct interface with fielded solar panels without the need for additional cables. The UBC-Lite's auxiliary DC port connects to standard Dell's power adapters. The UBC-Lite can be configured as a solar generator by using its optional solar panel and a BB-2590 or CWB as its battery. In solar generator mode, the UBC-Lite charges batteries using solar power or power harvested from its battery.

The UBC-Lite combines the functions and capabilities of multiple battery chargers into one small, scalable package. It provides battery charging technology to the warfighter through a highly rugged, field-deployable, multi-battery solution for austere mission environments. The UBC-Lite has a built-in battery test/analyzer function that allows the user to display the "Health" of the batteries, and "Charge Power" instantly.

PERFORMANCE/BENEFITS:

- > Cable-free charging: Charging of batteries without cables or adapters; reducing complexity and improving logistics
- > Built-in Battery Test/Analyzer: Performs battery health check automatically and identifies batteries that have less than 80% capacity
- > Built-in Power Meter: Displays charging power on digital display
- > Solar Strength Indicator: Displays solar power on digital display
- > Charges Multiple Batteries: Standard configuration allows charging of multiple standard DoD battery types
- > Operational MIL-STD-810G: UBC-Lite is ruggedized to allow charging in tactical environments
- > Power Harvesting: Capable of harvesting energy from multiple batteries, and solar panels
- > Inductive charging- cable-free charging or smart phones

TECHNICAL SPECIFICATIONS

- > Simultaneous Charging 3 Batteries and 2 USB Devices
- > User Selectable (On/Off) Wireless and Harvesting Functions
- > Maximum Charge Power 145 W
- > Total Input Power 160 W Typical
- > Input DC Voltage Range 12 - 55 VDC
- > Input DC Robustness MIL-STD-1275D
- > Range 90 - 265 VAC
- > Electrostatic Discharge IEC-61000-4-2
- > Smart Charging Protocols Smart Battery Bus (SMBus), DQ
- > Power Harvesting from Solar, BB-2590, CWB, Vehicle Power
- > Mixed Display Technology: Multi-color LEDs and a four-character display
- > Typical Charge Time AN/PRC-148, AN/PRC-152, CWB or BB-2590 in 2.5 hours

Physical (Basic Unit)

- > Height: 2.3 inches (5.84 cm)
- > Weight: Approximately 1.4 lb (635 g)
- > Length: 6.0 inches (15.24 cm)
- > Width: 3.5 inches (8.89 cm)

Data Ports

- > USB for firmware upgrade

Environmental (Per MIL-STD-810G)

- > Vibration
- > Shock and Drop
- > Driven Rain
- > Sand and Dust
- > Humidity
- > Salt Fog



> Specifications are subject to change without notice.

		UBC LITE CONFIGURATION							
		UBCLW/CWB	UBCLWO/CWB	AC/DC Power Supply	120 Watt Solar Panel	Carrying Case	AC Power	18' Solar Extension	DC Cable with Alligator clips
Part Number	Configuration	1600903-1	1600903-2	1600902-1	1600813-3	4103017-501	855009-001	85585-001	85589-001
1600903-1	Standard UBC-Lite with CWB Charging	1							
1600903-2	Basic UBC-Lite		1						
1100771-501	Standard UBC-Lite with Power Adapter	1		1			1		1
1100771-502	Basic UBC-Lite With Power Adapter		1	1			1		1
1100771-503	Standard UBC-Lite Complete kit	1		1	1	1	1	1	1