

BPCU-2

RRT Inc. Two Battery Power-out/Charger Unit

The RRT Inc. Two Battery Power-out/Charging Unit is a state-of-the-art Lithium-Ion battery power pack. It combines the features of a charger and a battery power solution in one package. The BPCU-2 is equipped with uninterruptible power circuitry that allows it to perform as an Uninterrupted Power Supply (UPS) and provides your gear with instantaneous protection from input power interruptions. It can also be used as a stand-alone Lithium-Ion battery charger for two Ultralife or other type Lithium-Ion rechargeable XX90 batteries. The BPCU-2 is capable of completely recharging the two installed UBI-2590s in approximately 3 to 4 hours. Depending on your equipment's current demand and actual power needs, the BPCU-2 will power your equipment and still provide a nominal charge to the battery. The BPCU-2 can also be used as a standalone DC power-output unit and can be alternately loaded with either primary batteries (i.e. BA-5390s) or, secondary rechargeable (i.e. UBI-2590) batteries. When primary batteries are used there is no concern for accidentally

TECHNICAL DATA	
AC/DC Input/Output:	100-240 VAC 50/60Hz, 4 Amps AC, 12 amps DC
Charge Rate:	3.0 Amp per string
Batteries Used:	*Primary or Secondary XX90
Batteries Charged:	UBI-2590/BB-2590/BB-3590 Ultralife products supported
DC Output:	Max 10 Amps @ 20 VDC using AC/DC input, or Max 10 Amps @ 16.8VDC using batteries as primary power source. DC to DC Power Output Cable sold separately (customer equipment specific)
LED Indicators:	Power, Low battery, Charge/Fault
Dimensions:	14 3/4"L x 3"W x 7 1/8"H
Total Weight:	4.6 lbs. (Including AC/DC Power Supply 7.2lbs)
Operating Temp:	Based on battery specification
Storage Temp:	Based on battery specification. RRT does not advise using unit for long-term battery storage.
Cables Included:	AC/DC Power Supply
DC Input (17-20VDC)	DC to DC Power Supply/Cable (<i>Optional</i>) (BPCU-2 required DC input: 17-20VDC for charge)



applying an unwanted charge, the circuitry and contacts in the BPCU-2 are designed to prevent this condition. Primary batteries can be safely used in either the straight DC power out or in the UPS configuration without a reverse power feed safety condition ever being an operating concern or consideration.



Radio Reconnaissance Technologies, Inc.
 3328 Bourbon Street
 Fredericksburg, VA 22408
 Phone: 540-752-7448
 Fax: 540-752-7449
 RRT Inc. is ISO 9001:2015 certified

RRT Part Number 02-778-0048