

BPCU-1

RRT Inc. Single Battery Power-out/Charger Unit

The RRT Inc. single 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-1 is equipped with uninterruptable power circuitry that allows it to perform as a 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 one Ultralife or other Lithium-Ion rechargeable XX90 battery. The BPCU-1 is capable of completely recharging the single installed UBI-2590s in approximately 3 to 4 hours. Depending on your equipment's current demand and actual power needs, the BPCU-1 will power your equipment while still providing at least a nominal charge to the battery. The BPCU-1 can also be used as a standalone DC power-output unit and can be alternately loaded with either a primary battery (i.e. BA-5390s) or, a secondary, rechargeable (i.e. UBI-2590) battery. When primary batteries are used there is no concern for accidentally applying an unwanted charge, the circuitry and contacts

in the BPCU-1 are designed to prevent this condition. Primary batteries can be safely used in either the straight DC power out or in the UPS configuration.

TECHNICAL DATA	
AC/DC Input:	100-265 VAC 50/60Hz
Charge Rate:	3.0 Amp per string
Battery Types Used:	*Primary or Secondary XX90
Battery Types Charged:	UBI-2590/BB-2590/BB-3590 Ultralife/Bren-tronics/KoKam products supported
DC Output:	Max 5 Amps @ 20 VDC with AC/ DC, or Max 5 Amps @ 16.8VDC with Battery Only (5390/2590)
LED Indicators:	Power, Charging, Fault, Trickle Charge and Low-Input
Dimensions:	6 1/2"L x 2 1/4"W x 6 7/8"H
Total Weight (W/Out Battery):	3.3 lbs. (Including AC/DC Power Supply)
Operating Temperature:	Based on battery specification
Storage Temperature:	Based on battery specification. RRT does not advise using unit for long-term battery storage.
Cables Included:	AC/DC Power Supply & Output Power Cable.
DC Input (17-20VDC)	DC to DC Power Supply/Cable (Optional)



Radio Reconnaissance Technologies, Inc.
3328 Bourbon Street
Fredericksburg, VA 22408
Phone: 540-752-7448
Fax: 540-752-7449
RRT Inc. is ISO 9001:2008 certified

RRT Part Number 02-778-0045
Available under our GSA Schedule GS-35F-0575M