ULTRALIFE
BATTERY & ENERGY PRODUCTS

UCH0053

Preliminary Technical Datasheet

Features

- Now our multi-bay charger distinguishes between SMART and non-SMART batteries improving safety and reducing charge times.
- Charger will automatically charge the battery at the battery's requested rate, determine if it is safe to charge the battery and terminate charge whenever necessary.
- Even personal electronic devices may be charged unattended, with six (6) USB charging ports rated at 2.5 watts each.
- All batteries placed on the charger will charge simultaneously albeit independently.
- With the optional charging cable connections, a variety of other batteries may be connected. The charger will automatically charge based on the order of connection allowing an easy, one-time setup for the user to come back when all the batteries are finished charging.
- For low voltage DC input power, the charger will automatically scale back its output to allow uninterrupted charging typically due to brownouts.
- Removable lid
- Telescoping handle and wheels
- Firmware upgradeable

Wide Range Input Voltage

- Allows operation from nearly any AC or DC power source likely to be encountered worldwide.

Calibration Cycle

- Automatic discharge/recharge function included. The calibration cycle is activated individually per battery by the simple press of a button.

Technical Specifications	
Part No.	UCH0053-XX (see note for ordering suffixes)
AC Input	100-240VAC, 50-60Hz
DC Input	9 to 36VDC
Charge Rate	Up to 1.0A per string for BB-390/590 batteries Up to 2.0A per string for AN/PRC152, AN/PRC148, RF7800, RF330, RF7850 handheld batteries Up to 3.0A per string for BB-2590/UBI-2590 batteries
Battery Types	Any combination of the following batteries: BB-390/U - Nickel Metal Hydrate (NiMH) BB-590/U - Nickel Cadmium (NiCd) BB-2590 / UBI-2590 (UBBL02) / UBBL09 / UBBL10 / UBBL10-01 / UBBL13 / UBBL13-01 PRC-148 and PRC-152 batteries USB devices (x6)
User Interface	Indications received when: - Input power is applied (as well as type) - Internal or external batteries are being charged - Battery is being detected - Battery is being fast charged - Battery is being slow charged - Battery has completed charge - Battery requires calibration - Battery is being calibrated - Battery or the charger bay has a fault
Size	60.2cm (23.7in) x 44.2cm (17.4in) x 26.67cm (10.5in)
Weight	15.8kg (34.8lbs) without batteries
Operating Temperature	-30°C to +55°C (-22°F to +131°F) (see note 2)
Storage Temperature	-40°C to +71°C (-40°F to +159.8°F)
Storage Altitude	50,000 ft. (15,240m)
Safety	Designed for UL and CE certification (pending)
Accessories Included	AC and DC Cables - US
Accessories Optional	AC Input Cables - AUS, UK or EUR\ UCA0148: charging cable for some UBBLXX batteries
Note 1	-01: Power supply equipped with US, NEMA, 5-20 A/C cable (NSN: 6130-01-695-1930) -02: Power supply equipped with AS, AS/NZS 3112 A/C cable -03: Power supply equipped with UK, BS 1363 A/C cable -04: Power supply equipped with EU, CEE 7/7 A/C cable
Note 2	Charger will only charge the batteries within the battery's specific allowable temperature range

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