

UCH0054

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 two (2) 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
- 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 automatically.

Technical Specifications

Part No. ¹	UCH0054-XX
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 (x2)

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	42cm (16.54in) x 32.7cm (12.87in) x 18cm (7.09in)
Weight	5.7kg (12.6lbs) without batteries
Operating Temperature ²	-30°C to 55°C (-22°F to 131°F)
Storage Temperature	-40°C to 71°C (-40°F to 159.8°F)
Operating 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

Notes

- Order suffixes:
 - 01: Power supply equipped with US, NEMA, 5-20 A/C cable
 - 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 and can be shipped under Packing Instruction 968, Section II. NSN: 6130-01-669-0445
- Charger will only charge the batteries within the battery's specific allowable temperature range.

Mouser Electronics

Authorized Distributor

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[UCH0054-02](#)