

# 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

<b>Part No.</b>	UCH0053-XX (see note 1 for ordering suffixes)
<b>AC Input</b>	100-240VAC, 50-60Hz
<b>DC Input</b>	9 to 36VDC
<b>Charge Rate</b>	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
<b>Battery Types</b>	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)
<b>User Interface</b>	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
<b>Size</b>	60.2cm (23.7in) x 44.2cm (17.4in) x 26.67cm (10.5in)
<b>Weight</b>	15.8kg (34.8lbs) without batteries
<b>Operating Temperature</b>	-30°C to 55°C (-22°F to 131°F) (see note 2)
<b>Storage Temperature</b>	-40°C to 71°C (-40°F to 159.8°F)
<b>Storage Altitude</b>	50,000 ft. (15,240m)
<b>Safety</b>	Designed for UL and CE certification (pending)
<b>Accessories Included</b>	AC and DC Cables - US
<b>Accessories Optional</b>	AC Input Cables - AUS, UK or EUR\ UCA0148: charging cable for some UBBLXX batteries
<b>Note 1</b>	-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
<b>Note 2</b>	Charger will only charge the batteries within the battery's specific allowable temperature range.

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