

# UCH0057-01 Charger<sup>1</sup>

(can set battery to 30% state-of-charge for transportation by air<sup>2</sup>)

## Technical Datasheet



### Features

- LED status indicator
- One-bay charger
- Level-3 SMART UBI-2590/BB-XX90 charger<sup>1</sup>
- Simultaneous stand alone charging<sup>4</sup>
- SBS v1.1 compliant
- Press button - set state-of-charge<sup>2</sup> at 30%

### Benefits

- Specifically designed to charge Ultralife UBI-2590/BB-XX90 batteries<sup>1</sup> safely & efficiently
- Also charges NiMH BB-390 batteries
- Safety circuit protects against charging shorted packs

### Applications

- Commercial desktop charger for UBI-2590/BB-XX90 batteries<sup>1,3</sup>
- Will set battery to 30% state-of-charge for transportation by air<sup>2</sup>

### Technical Specifications

<b>Part No.</b>	UCH0057-01 (see line cord)
<b>NSN</b>	6130-01-710-4892
<b>DC Input</b>	19-40VDC
<b>DC Output</b>	20V max.
<b>Charge Rate</b>	Smart Battery: 4.0A max. Dumb Battery: 3.0A max.
<b>Discharge Rate</b>	1.0A max.
<b>Battery Types</b>	Lithium-ion (Li-ion)
<b>User Interface</b>	Off: Charger Powered Off Yellow Solid: Standby or Suspend Green Flashing: Fast Charging Green solid: Fully Charged Yellow Flashing: Setting SOC to 30% Flashing Yellow/Green: 30% SOC set <sup>4</sup> Red Flashing: Fault
<b>Connectors</b>	Input: 2.5mm Center Positive
<b>Color</b>	Black
<b>Finish</b>	Case Material: ABS GSM
<b>Size</b>	213mm (8.375in) x 124mm (4.875in) x 81mm (3.19in)
<b>Weight</b>	485g (17.1oz)
<b>Operating Temperature</b>	0°C to +45°C
<b>Storage Temperature<sup>4</sup></b>	-20°C to +70°C
<b>Accessories Included</b>	Power Supply - PS5024 Input Voltage: 100-240VAC, 47-63Hz Output Voltage: 24VDC Input Connector: IEC-320 Output Cable: 18AWG, 1.83m (6ft) Weight: 300g (10.5oz)
	Line Cord -01US: UL/CSA 3 prong (North America), length 1.83m (6ft) -01EU: C-13 IEC (European), length 2.0m (6.6ft)

### Notes

1. UCH0057-01 can charge Ultralife's UBBL02-01, UBBL02-01-CB, UBBL10-01, UBBL10-01-CB, UBBL13-01, UBBL13-01-CB, UBBL36, UBBL36-CB, UBBL38 and UBBL62 batteries
2. 'Setting the state-of-charge to 30% function' only works with batteries that include SMBus communication (UBBL10-01, UBBL10-01-CB, UBBL13-01, UBBL13-01-CB, UBBL36, UBBL36-CB, UBBL38 and UBBL62)
3. The UCH0057-01 charger can charge most Non-Ultralife brand batteries.
4. Ultralife recommends that, after battery is set to 30% for shipping and delivered, it is charged to 100% before storing it or before use.