



ACT i65
Maintainer



ACT i60
Six-Bay Charger



ACT i10
Single Charger



ACT
iGAUGE

iCHARGE™ Technical Overview

Battery Range: Charges 4-10 Cell NiCD & NiMH, 1-63 cell Li-Ion batteries

Charging Technology: Patented Enrev™ technology

U.S. Patents: 4,829, 225, 5,307,000; 5,694,023; other patents pending

Max Charge Current: 2.4 Amps per bay

Termination Method: Proprietary Delta-Y; -Delta Voltage; Timer back-up

Voltage Resolution: 10-20 mV per bit

Control Circuit: Proprietary ACT design

Operating Temperature Range: 10° to 45° C

Maximum Temperature: 48°C

Input Voltage: Unswitched 120/240 VAC, +/-10%, 50/60 Hz. Removable power cord, user replaceable fuse (i60)

Input Current: requires 1.8A max @ 120vac

Input Power: 220W total system dissipation maximum (all 6 bays loaded @ 6cell NiCD), 751 BTU/hr.

Charging Power: 20W per bay delivered to battery nominal

Discharging Power: 3W per bay maximum

Efficiency: 80%

Accuracy: 30mv battery voltage reading resolution per bay

Discharging Voltage: <=1V per cell

Housing Material: ABS injection molded plastic (i10); Aluminum (i60, i65)

Display: Easy to use Charge (yellow), Complete (green), and Fault (red) LEDs.

Adapter Mount: Simple "blind" plug-in using shrouded guide connector system. Secured with two matching screws.

Adapter Compatibility: Adapter socket to accommodate all listed batteries and capacity gauge (iGAUGE) at all bays

Color: Blue

Dimensions: approximate 8 x 5 x 2" (i10); 18 x 9 x 6.5" (i60, i65)

Weight: 1 lb. (i10); 11.8 lbs. (i60, i65)

Fan: 80 mm, 29 dba @ 39 cfm (i60, i65). Fan operates only when actively charging any or all bays.

Throughput: Typical: NiCD < 1 hour/bay; NiMH < 1.5 hours / bay; Li-Ion < 2 hours/bay

Approvals: UL, CE

ESD susceptibility: Meets and exceeds EN6100-4-4 a tall user entry points.