Nickel Metal Hydride batteries have double the capacity of standard nickel cadmium cells and can be charged faster without the “memory problems” associated with nickel cadmium batteries.

AAA CELL W/ SOLDER TABS
1.2V 600 mAh. Solder tabs.  
CAT# NMH-AAAT $2.75 ea. • 10 for $25.00

AA CELL
1.2 Volt, 2000 mAh. Solder tabs.  
CAT# NMH-AAT $3.25 each

AA CELL, 2500 mAh
ULTRA-HIGH CAPACITY 1.2 Volt, 2500 mAh.  
CAT# NMH-AA $2.50 ea. • 10 for $21.00

SUB-C 3000 mAH RECHARGEABLE, W/ SOLDER TABS
1.2V 3000mAh. Solder tabs. 
3mm x 23mm x 22mm diameter.  
CAT# NMH-SC $7.25 each

C-CELL, 5000 mAh
1.2V. Standard charge, 16 Hours @ 300mA. Rapid charge, 2 Hours @ 3000 mA.  
CAT# NMH-C $5.95 each

D-CELL, 10,000 mAh
1.2V. 33mm dia. x 60mm long. Standard charge, 15 Hours @ 800mA. Rapid charge, 3 Hours @ 4000 mA. Weight, 0.36 lbs per cell.  
CAT# NMH-D $10.85 each

9V 250 mAh
CAT# NMH-925 $6.35 each • 10 for $5.85 each

3.6V 1500 mAh, PACK
Three rechargeable AA cells. 3.6V 1500mAh. 3-pin female connector 0.1” centers.  
CAT# NMH-AA3 $3.75 each 10 for $3.50 each

3.7V 2600mAH. Button-top 18650 Lithium-Ion rechargeable battery. High energy density and capacity. Long life-span. Built-in protective circuitry prevents voltages outside of 2.5-4.25V. 2.70” long x 0.71” diameter.  
CAT# LBAT-18650 $9.95 each

LITHIUM - RECHARGEABLE

PKCELL# LP103450. 1.9” x 1.3” x 0.4”. 2’’ leads. Charging protection circuit keeps the battery voltage from over-charging or going too low when being used. It will also protect against output shorts. 
Note: even with this protection it is very important to only use a Li-Ion/LiPoly constant-voltage/constant-current charger to recharge them and at a rate of 500mA or less. Also note shipping restrictions: Ground Shipping Only.  
CAT# LBAT-1801 $5.95 each 10 for $5.50 each

LITHIUM BATTERY CHARGER
TP4056 charger for up to 1A Lithium Ion rechargeable battery. Input: 4.5-5.5Vdc. Suitable for USB-powered charger. Mini-USB input jack. 1.05” x 0.75” x 0.20”.  
CAT# BC-4056 $3.75 each

BATTERY CHARGER BOARD
LI-ION / LI-POLYMER
Originally a conditioning charger for a 14.4V 2600 mAH LI-ION/ LI-POLYMER battery. The circuit board has a 100uh, 4.3A inductor, CTX100-2-52M, that is well worth the price of the board. With a little effort you can remove the inductor, 3 sets of header connectors, a MOSFET, two voltage regulators, two TO-220 aluminum heatsinks, three 330 uf 35v radial electrolytic capacitors.  
CAT# EX-57 $1.50 each 10 for $1.20 each

CHARGERS FOR NIMH OR NICAD

NI-CD / NI-MH BATTERY CHARGER
Charges 1-4 D, C, AA, AAA batteries or 1 - 2 9V batteries, Ni-cad or Nickel Metal-Hydride. Charge status lights for each battery. Automatic charging current control. Trickle charge keeps batteries topped off. Reverse polarity protection.  
CAT# BC-27 $19.50 each
**SPECIAL -- 9V Ni-MH BATTERY & CHARGER**

Charger for two 9V Ni-MH or Ni-Cd batteries. Output: 2 x 9 Vdc 16mA. Includes one 9V 250mAh Nickel Metal Hydride battery.

**CAT# BC-916S** $8.25 each

**INTELLIGENT 4-BAY UNIVERSAL CHARGER**

Tenergy T4S. An automatic smart-charger that is compatible with almost all rechargeable batteries, Li-ion, Ni-MH and Ni-Cd, thus eliminating the need to own several chargers. Capable of charging 4 batteries simultaneously.

**CAT# BC-650** $31.95 each

**SEALLED LEAD ACID BATTERIES**

Maintenance-free, rechargeable sealed lead-acid batteries. Can be used in any position and can be trickle charged for long periods of time. Excellent for alarms, communications and back-up applications. WILL NOT LEAK.

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Ah</th>
<th>Size</th>
<th>Lb.</th>
<th>CAT#</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>6V</td>
<td>1.2</td>
<td>3.8 x 1.0 x 2.2”</td>
<td>0.7</td>
<td>GC-612</td>
<td>8.65</td>
</tr>
<tr>
<td>6V</td>
<td>4.5</td>
<td>2.8 x 1.9 x 4.2”</td>
<td>1.8</td>
<td>GC-64</td>
<td>10.00</td>
</tr>
<tr>
<td>6V</td>
<td>7</td>
<td>6.0 x 1.3 x 3.7”</td>
<td>2.9</td>
<td>GC-67</td>
<td>16.00</td>
</tr>
<tr>
<td>6V</td>
<td>12</td>
<td>6.0 x 2.0 x 3.8”</td>
<td>4.1</td>
<td>GC-610</td>
<td>20.50</td>
</tr>
<tr>
<td>6V</td>
<td>12</td>
<td>3.8 x 1.7 x 2.1”</td>
<td>1.3</td>
<td>GC-1212</td>
<td>12.50</td>
</tr>
<tr>
<td>6V</td>
<td>2.3</td>
<td>7.0 x 1.4 x 2.5”</td>
<td>2.2</td>
<td>GC-1223</td>
<td>15.75</td>
</tr>
<tr>
<td>6V</td>
<td>12</td>
<td>3.5 x 2.6 x 2.4”</td>
<td>3.2</td>
<td>GC-1234</td>
<td>21.00</td>
</tr>
<tr>
<td>6V</td>
<td>12</td>
<td>3.5 x 2.8 x 4.2”</td>
<td>3.1</td>
<td>GC-125</td>
<td>17.50</td>
</tr>
<tr>
<td>6V</td>
<td>12</td>
<td>5.9 x 2.6 x 3.9”</td>
<td>5.0</td>
<td>GC-1270</td>
<td>23.50</td>
</tr>
<tr>
<td>6V</td>
<td>12</td>
<td>5.9 x 3.9 x 4.0”</td>
<td>8.4</td>
<td>GC-1214</td>
<td>43.00</td>
</tr>
<tr>
<td>6V</td>
<td>12</td>
<td>7.1 x 3.0 x 6.6”</td>
<td>12</td>
<td>GC-217</td>
<td>59.00</td>
</tr>
</tbody>
</table>

**DUAL-STAGE CHARGERS**

Regulated current control prevents damage to battery. “Fast-charge” brings battery to fully charged state at which point the float-charge takes over, maintaining the battery at a constant voltage. LED indicates charge state. All have screw terminals, except BC-215* which has 6” output cable with 2.5mm co-ax plug. UL.

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Charge Rate</th>
<th>CAT#</th>
<th>Each</th>
</tr>
</thead>
<tbody>
<tr>
<td>6V</td>
<td>500 mA</td>
<td>BC-612</td>
<td>$14.00</td>
</tr>
<tr>
<td>12V</td>
<td>350 mA</td>
<td>BC-215*</td>
<td>$9.75</td>
</tr>
<tr>
<td>12V</td>
<td>500 mA</td>
<td>BC-212</td>
<td>$14.00</td>
</tr>
<tr>
<td>12V</td>
<td>1A</td>
<td>BC-201</td>
<td>$19.00</td>
</tr>
</tbody>
</table>

**4A BATTERY CHARGER / MAINTAINER**

For charging and maintaining 10-40amp-hour sealed lead acid batteries. 3 stage charger for safe, reliable charging and maintenance. Short-circuit, over-current, over-voltage protection. Includes harness with alligator clips and ring terminals.

**CAT# BC-84** $39.95 each

**LEAD-ACID BATTERY CHARGERS, USED**

3-stage chargers for sealed & wet lead-acid batteries. Auto-cutoff and float charge. Used, guaranteed functional. 12V chargers BC-127U is terminated with 3-pin molex connector. BC-24U has a custom plug that will probably need to be cut for access to wires (see our web site for diagram).

12 Volt 7 Amp

Sonel #1214S04

**CAT# BC-127U** $27.50 - $20.00 each

24 Volt 2.5 Amp

Control Solutions

1201A

**CAT# BC-24U** $28.00 - $20.00 each

**BATTERIES NON-RECHARGEABLE**

**INDUSTRIAL ALKALINE BATTERIES**

**DURACELL® PROCELL®**

**AAA CELL** 1.5 VOLT 1000 mAh

**CAT# PRC-2400** 75¢ each

**AA CELL** 1.5 VOLT 2100 mAh

**CAT# PRC-1500** 75¢ each

**C CELL** 1.5 VOLT 7000 mAh

**CAT# PRC-1400** $1.75 each

**D CELL** 1.5 VOLT 14000 mAh

**CAT# PRC-1300** $1.75 each

**9 VOLT BATTERY** 565 mAh

**CAT# PRC-1604** $2.75 each

**ALKALINE BATTERIES**

**6V** 4LR44, L1325, 28A, A544, PX28A.

25mm long x 13mm diameter.

**CAT# BAT-44** $2.00 ea. • 5 for $1.75 ea.

**12V** 27A MN27.

For remote controls, lighters and other electronic devices. Also known as G27 / MN27A / A27 / L928 / EL812 / EL-812 / CA22 / VR22 / CN22 / CN23A / Bronica B-1, 0.3” dia. x 1.08” long.

**CAT# BAT-27** $1.75 each

**12V** 0.41” dia. x 1.13” long cylindrical cell used in keychain alarm remotes and photo apps.

**CAT# BAT-12** $1.25 each • 10 for $10.00

**HEAVY-DUTY CARBON-ZINC BATTERIES**

The economical choice for low drain devices like remote controls, clocks, smoke alarms, radios and flashlights.

**AAA**

**CAT# HD-AAA** 4 for $1.00 100 for $20.00

**AA**

**CAT# HD-AA** 4 for $1.00 100 for $20.00

**9V**

**CAT# HD-9V** 85¢ each 96 for $54.72

**FAST FRIENDLY SERVICE 37**
LITHIUM BATTERIES

LITHIUM BATTERY CR123A
3V, 1300 mAh. Long-life power source used in high-performance flashlights, cameras and digital electronics. 1.34" long x 0.65" diameter. Replaces: Energizer EL123AP82, Duracell DL202, Panasonic CR123A, Kodak K123LA, GE Sanyo CR123A. CAT# LBAT-123 $2.00 ea. • 10 for $1.85 ea.

LITHIUM BATTERY WITH LEADS
1/2 AA size. 3.6V, 1200mAH,14mm dia. x 24mm long. CAT# LBAT-125 $4.95 each AA size. 3.6V, 2400mAH, 14mm dia. x 51mm long. CAT# LBAT-124 $5.35 each

1.5V BUTTON CELLS

AG-13 11.5mm diameter x 5.5mm. Cross to 357, AG-13, A-76, LR-44, V13GA and RW-82. Alkaline. CAT# BAT-7 75¢ each • 10 for $5.00

AG10/L1131 L1131. Cross to LR54, LR9, RW9, AG10. 11.6mm diameter x 3mm high. CAT# BAT-11 75¢ each • 10 for 50¢ each

AG-3 Cross to AG-3, 392A, SR41, CX41, LR41W and others. 7.9mm diameter x 3.6mm. Alkaline. CAT# BAT-3 50¢ each • 10 for 40¢ each

SG-4 replaces AG-4, 626A, 377A, CX66W and others. 6.8mm diameter x 2.6mm. Silver oxide. CAT# BAT-4 75¢ each • 10 for 50¢ each

386S (silver oxide) replaces SG12/G12/SR43/386/548/582/6/RW24, 44 button cell. 0.45" dia. x 0.15" thick. For watches, cameras, games etc. CAT# BAT-8 95¢ each • 10 for $7.00

3V LITHIUM BUTTON CELLS

Lithium batteries have a very long shelf life, typically 10 years or more. These are not rechargeable.

CR1220 40 mAh. 12.5mm dia. x 2mm thick. CAT# LBAT-62 $1.50 each

CR1616 50 mAh. 16mm dia. x 1.6mm thick. CAT# LBAT-28 $1.00 each

CR1632 3 volt, 16mm diameter x 3.2mm thick. CAT# LBAT-63 $1.00 each

CR1620 70 mAh. 16mm dia. x 2mm thick. CAT# LBAT-58 85¢ each • 10 for 75¢ each

CR2016 75 mAh. 0.787" dia. x 0.06" thick. CAT# LBAT-21 75¢ each 10 for $6.50 • 100 for $45.00

CR2025 150 mAh. 0.8" dia. x 0.1" thick. CAT# LBAT-44 $1.00 ea. • 10 for 75¢ ea.

CR2032 180 mAh. 3 volt, 180 mAh. 0.8" dia. CAT# LBAT-20 $1.00 each 10 for $8.50 • 100 for $70.00

CR2430 620 mAh. 24mm dia. x 3mm high. CAT# LBAT-2430 $1.90 each

COIN CELL HOLDERS, PC LEADS

Dia. CAT# Each
20mm BH-21 $1.00
20mm vertical BH-211 $1.00
20mm top load BH-25 $1.00
25mm BH-23 $1.00

9 VOLT BATTERY SNAPS

I-TYPE 3" wire leads. CAT# BST-3 4 for $1.00 • 100 for $15.00

I-TYPE 5" leads. CAT# BST-51 2 for $1.00 • 100 for $30.00

T-TYPE 6" leads CAT# BST-61 2 for $1.00 • 100 for $30.00

DUAL 6" leads CAT# BH-29 70¢ each • 100 for $47.00

9 VOLT BATTERY DRAWER

Easy to remove and reload standard 9V battery. Mounts in 34.5 x 24.5mm rectangular cut out. Behind-panel depth, 60mm. Flange mount. Holes on 43mm centers. Solder lug terminals. CAT# BH-59 $3.60 each 100 for $3.15 each

9 VOLT BATTERY CLIPS

Holds one 9V battery. Nickel plated steel. CAT# BH-9H

Holds battery flat. 1.04" L x 0.63" W x 0.76" H. CAT# BH-9H 40¢ each 100 for 35¢ each

Holds battery edgewise. 0.68" L x 0.63" W x 1.14" H. CAT# BH-9V 35¢ each • 100 for 25¢ each

BATTERY TESTER

SE BT20. Test AAA, AA, C, D, 9V and button cell batteries. Features easy-to-read, color-coded reading meter. Separate scale for button cells. 4-3/8" x 2-3/8". CAT# BC-22 $5.95 each

3" STAINLESS STEEL RACK HANDLE

3" x 1.15" high stainless steel rack handle. Tapped holes on 3" centers. Includes two screws. CAT# HDL-42 $1.75 ea. • 10 for $1.50 ea.

30 DETENT ROTARY ENCODER WITH SWITCH

Alps mechanical rotary encoder with momentary-on push switch. 30 detents. 6mm diameter aluminum shaft. 12mm square body. 7mm dia. x 10mm high plain bushing. PC pins. 2 terminals for switch. 3 terminals for encoder. CAT# RE-30 $1.35 ea. • 50 for $1.15 ea.