# RECHARGEABLE BATTERIES

## RECHARGEABLE NICKEL METAL HYDRIDE

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 600mAh. Solder tabs.
  - CAT# NMH-AAAT $2.75 ea. • 10 for $25.00

### AA CELL

- 1.2V 2000mAh. Solder tabs.
  - CAT# NMH-AAT $3.25 each

### AA CELL, 2500 mAH

- ULTRA-HIGH CAPACITY 1.2 Volt, 2500 mAH.
  - CAT# NMH-AA $2.95 each
    - 8 for $2.75 each • 60 for $2.40 each

### SUB-C 3000 mAH RECHARGEABLE, W/ SOLDER TABS

- 1.2V 3000mAh. Solder tabs, 43mm 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

## LITHIUM - RECHARGEABLE

### 3.7V 1800MAH LI-ION RECHARGEABLE BATTERY

- 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 $9.95 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

## 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

### CHARGER FOR AA/AAA BATTERIES

- Rayovac PS133.
  - Charges four AA / AAA batteries (NiMH, NiCd) in eight hours. LED light indicators. Safety auto shut off. Fold-out plug. 4.30” x 2.75” x 1.60”.
  - CAT# BC-40 $5.95 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 250mA Nickel Metal Hydride battery.
  - CAT# BC-916S $8.25 each

30 DAY MONEY-BACK GUARANTEE
INTRODUCTORY 4-BAY UNIVERSAL CHARGER
Tenegy T4S. An automatic smart-charge 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# GC-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>Capacity</th>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>6V 1.2 AH</td>
<td>0.64 lb</td>
<td>3.82” x 0.96” x 2.22”</td>
<td>$8.65 each</td>
</tr>
<tr>
<td>6V 4.5 AH</td>
<td>1.83 lb</td>
<td>2.76” x 1.85” x 4.17”</td>
<td>$10.00 each</td>
</tr>
<tr>
<td>6V 7 AH</td>
<td>2.90 lb</td>
<td>5.95” x 1.33” x 3.87”</td>
<td>$16.00 each</td>
</tr>
<tr>
<td>12V 1.2 AH</td>
<td>1.32 lb</td>
<td>3.82” x 1.68” x 2.07”</td>
<td>$12.50 each</td>
</tr>
<tr>
<td>12V 2.3 AH</td>
<td>2.20 lb</td>
<td>7” x 1.38” x 2.5”</td>
<td>$17.50 each</td>
</tr>
<tr>
<td>12V 3.4 AH</td>
<td>3.15 lb</td>
<td>5.26” x 2.62” x 2.42”</td>
<td>$21.00 each</td>
</tr>
<tr>
<td>12V 5 AH</td>
<td>3.09 lb</td>
<td>3.54” x 2.76” x 4.21”</td>
<td>$17.50 each</td>
</tr>
<tr>
<td>12V 7.5 AH</td>
<td>4.06 lb</td>
<td>5.94” x 1.94” x 3.82”</td>
<td>$20.50 each</td>
</tr>
<tr>
<td>12V 12 AH</td>
<td>1.32 lb</td>
<td>3.82” x 1.68” x 2.07”</td>
<td>$12.50 each</td>
</tr>
<tr>
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<td>2.20 lb</td>
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<td>3.15 lb</td>
<td>5.26” x 2.62” x 2.42”</td>
<td>$21.00 each</td>
</tr>
</tbody>
</table>

4A BATTERY CHARGER / MAINTAINER
For charging and maintaining 10-40 Ah 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
Sonell # 1214S04
CAT# BC-127U $27.50 each

24 Volt 2.5 Amp
Control Solutions 1201A
CAT# BC-24U $28.00 each

INDUSTRIAL ALKALINE BATTERIES
DURACELL® PROCCELL®

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 G27A / MN27A / A27 / LB28 / 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

BATTERIES NON-RECHARGEABLE
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

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 EL123APB2, 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, 189, RW98, 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/SR43/386/546/6/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
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.
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

VISIT OUR WEBSITE - WWW.ALLELECTRONICS.COM
**CIGARETTE LIGHTER CORDS**

**CIGARETTE LIGHTER “Y”**
1 plug to 2 sockets. 6” cord.

CAT# CLP-Y $3.65 ea.
10 for $3.40 each

**CIGARETTE LIGHTER POWER CORDS**

4’ cable terminated with coax power connector, 2.1mm id. Contains replaceable GMA (5 x 20mm) 8A fuse, UL, CSA.

CAT# CLP-304 $2.75 ea. • 10 for $2.50 ea.

4.5’ good-quality, UL rated, shielded cable. Replaceable fuse. Terminated with right-angle 1.3mm coax power plug (1.3mm id x 2.3mm od x 10mm), center positive. Output rated 12Vdc, 3 Amps.

CAT# CLP-302 $3.00 ea. • 10 for $2.70 ea.

6’ cable with 2.5mm right-angle coax power plug.

CAT# CLP-306 $3.20 ea. • 10 for $2.95 ea.

**CR123A BATTERY HOLDER**

1. BH-123 PC leads Single $1.95 $1.75 $1.35
2. BH-1231 Wire leads Single 85¢

**BATTERY HOLDERS**

### AAA BATTERY HOLDERS

<table>
<thead>
<tr>
<th># OF CELLS</th>
<th>CAT#</th>
<th>TERMINATION</th>
<th>STYLE</th>
<th>EACH</th>
<th>10</th>
<th>100</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BH-41</td>
<td>6” wire</td>
<td>Single</td>
<td>85¢</td>
<td>75¢</td>
<td>60¢</td>
</tr>
<tr>
<td>2</td>
<td>BH-42</td>
<td>6” wire</td>
<td>Single</td>
<td>90¢</td>
<td>80¢</td>
<td>70¢</td>
</tr>
<tr>
<td>3</td>
<td>BH-431</td>
<td>5.5” wire</td>
<td>Single</td>
<td>90¢</td>
<td>80¢</td>
<td>70¢</td>
</tr>
<tr>
<td>4</td>
<td>BH-44</td>
<td>6” wire</td>
<td>Single</td>
<td>$1.10</td>
<td>95¢</td>
<td>80¢</td>
</tr>
<tr>
<td>4</td>
<td>BH-442</td>
<td>6” wire</td>
<td>Double</td>
<td>95¢</td>
<td>80¢</td>
<td>70¢</td>
</tr>
</tbody>
</table>

### AA BATTERY HOLDERS

| 1         | BH-31 | Solder tabs | Single | 75¢  | 65¢ | 50¢ |
| 1         | BH-311| 6” wire     | Single | 75¢  | 65¢ | 50¢ |
| 2         | BH-32 | 6” wire     | Single | 85¢  | 75¢ | 60¢ |
| 2         | BH-321| 9V battery snaps | Double | 85¢  | 75¢ | 60¢ |
| 2         | BH-322| 2 cells / pc leads | Single | 85¢  | 75¢ | 60¢ |
| 2         | BH-421| Solder lugs | Single | 80¢  | 75¢ | 65¢ |
| 3         | BH-331| 5.5” wire   | Single | 95¢  | 85¢ | 71¢ |
| 4         | BH-342| 6” wire     | Double | $1.10| 95¢ | 80¢ |
| 4         | BH-341| 6” wire     | Single | $1.10| 95¢ | 80¢ |
| 4         | BH-443| 9V battery snaps | Double | $1.20| $1.00| 85¢ |
| 4         | BH-446| 9V battery snaps | Double | $1.20| $1.00| 85¢ |
| 6         | BH-361| 9V battery snaps | Double | $1.75| $1.65| $1.10|
| 8         | BH-38 | 9V battery snaps | Double | $2.25| $2.10| $1.85|
| 8         | BH-448| 9V battery snaps | Single | $2.30| $2.15| $1.90|

### C BATTERY HOLDERS

| 4         | BH-241| 8” wire | Single | $1.90| $1.75| $1.20|

### D BATTERY HOLDERS

| 2         | BH-142| 8” wire leads | Single | $1.95| $1.75| $1.35|
| 2         | BH-143| 9V battery snaps | Single | $1.85| $1.70| $1.25|
| 4         | BH-141| 6” wire leads | Single | $2.00| $1.80| $1.40|
| 4         | BH-144| 6” wire leads | Single | $2.00| $1.80| $1.40|

### CR123A BATTERY HOLDER

| 1         | BH-123| PC leads  | Single | $1.95| $1.75| $1.35|
| 1         | BH-1231| Wire leads | Single | 85¢ |

**REGULATED MULTI-VOLTAGE CAR ADAPTERS**

8’ heavy-duty cigarette lighter cord. 2 conductor 18 AWG, SPT-2 cord. Replaceable 7.5 amp fuse. Rated 12V, 90W. This new, high-quality cord was originally for Igloo Cooler (Igloof C1USPT2P2) and has a custom 2-conductor connector. We offer a mating socket for this cord, CAT# CON-22U.

CAT# CLP-308 $4.25 each

Includes a full range of universal plugs for portable audio/video and many other battery run appliances.

**800 MA REGULATED DC ADAPTER**

TR608. Converts the power from your car cigarette lighter to 1.5, 3, 4.5, 6, 7.5, 9 or 12 Volts. Output plugs: 3.5mm; 2.5x1.1mm; 2.5x5.5mm; 1.35x3.5mm; 4.0x1.7mm; 2.1x5.5mm.

CAT# APC-608 $11.95 each

**2.5 AMP REGULATED ADAPTER**

TR625. Selector for choice of 6 voltages (3, 5, 6, 7.5, 9, 12 Vdc), with any current not more than 2500 mA. Output plugs: 3.5mm; 3.5 x 1.35mm, 5.5x2.5mm, 5.5 x 2.1mm, 4.0 x 1.7mm, 2.35 x 0.75mm, 4.75 x 1.75mm.

CAT# APC-625 $18.95 each

ORDER TOLL FREE 1-800-826-5432
39
Simplify projecting and prototyping with this triple-output power supply and solderless 2420 tie point breadboard. 1 fixed and 2 adjustable supplies, 5 bus strips and 3 plug-in strips for DIP and other components.

**Features:**
- DC power supplies: 5Vdc @ 1.5 Amp fixed
- 0-15Vdc @ 500mA adjustable
- 0-15Vdc @ 500mA adjustable
- Input: 120/ 240Vac @50-60Hz
- Overload & short-circuit protection.
- Detachable AC power cord.
- 10.75” x 8.75” x 3.25”.  6 lbs.

**CAT# PB-400** $4.00 each

840 contacts. Dual row of buss terminals on each side of terminal strip. Double-sided adhesive tape backing. Holes for screw mounting. 2.2” x 6.5” x 0.38” high.

**CAT# PB-880** $7.65 each

3260 contacts. 4 terminal strips, 7 buss strips, 4 binding posts mounted on an aluminum back plate 7/8” x 3/8” high. 

**CAT# PB-3260** $32.00 each

**POWERED BREADBOARD**

Plugs into our solderless breadboards (except CAT# PB-170) and provides 5V or 3V power to the rails. Also provides an on-off switch, power indicator LED, a USB port and extra header pins for 3V and 5V power taps. Maximum output current: 700mA. Coax jack (2.1mm id) for power input. Requires a 6.5 - 9 Vdc power supply. 1.26 x 2.08 x 0.80” h.

**CAT# MB-PS** $6.75 each

**BREADBOARD POWER SUPPLY**

Terminated with machine pins for insertion into breadboards and sockets.

**ALLIGATOR CLIP JUMPERS**

**CAT# TL-14** $5.95 per set

**MINI-GRABBER JUMPERS**

**CAT# TL-15** $4.60 - $3.65 per set

**BATTERY HOLDER**

Holds 3AA batteries for 4.5Vdc power. Completely enclosed. Integrated on-off switch. 6” leads.

**CAT# BH-AA3** $3.95 each

**JUMPER WIRE SETS**

Pre-formed jumper wires for use with solderless breadboards. 14 color-coded lengths. AWG 22 solid wire. Unbreakable clear plastic storage case.

**140 PIECE ASSORTMENT**

10 of each size **CAT# JW-140** $6.25 each

**350 PIECE ASSORTMENT**

25 of each size **CAT# JW-350** $12.95 each

**JUMPER WIRE, 10 PACKS**


**50MM (2”)** Brown wire

- Male-Male **CAT# JMM-50** $3.00 / 10 pcs
- Male-Female **CAT# JMF-50** $3.00 / 10 pcs

**100MM (4”)** Orange wire

- Male-Male **CAT# JMM-100** $3.35 / 10 pcs
- Male-Female **CAT# JMF-100** $3.35 / 10 pcs