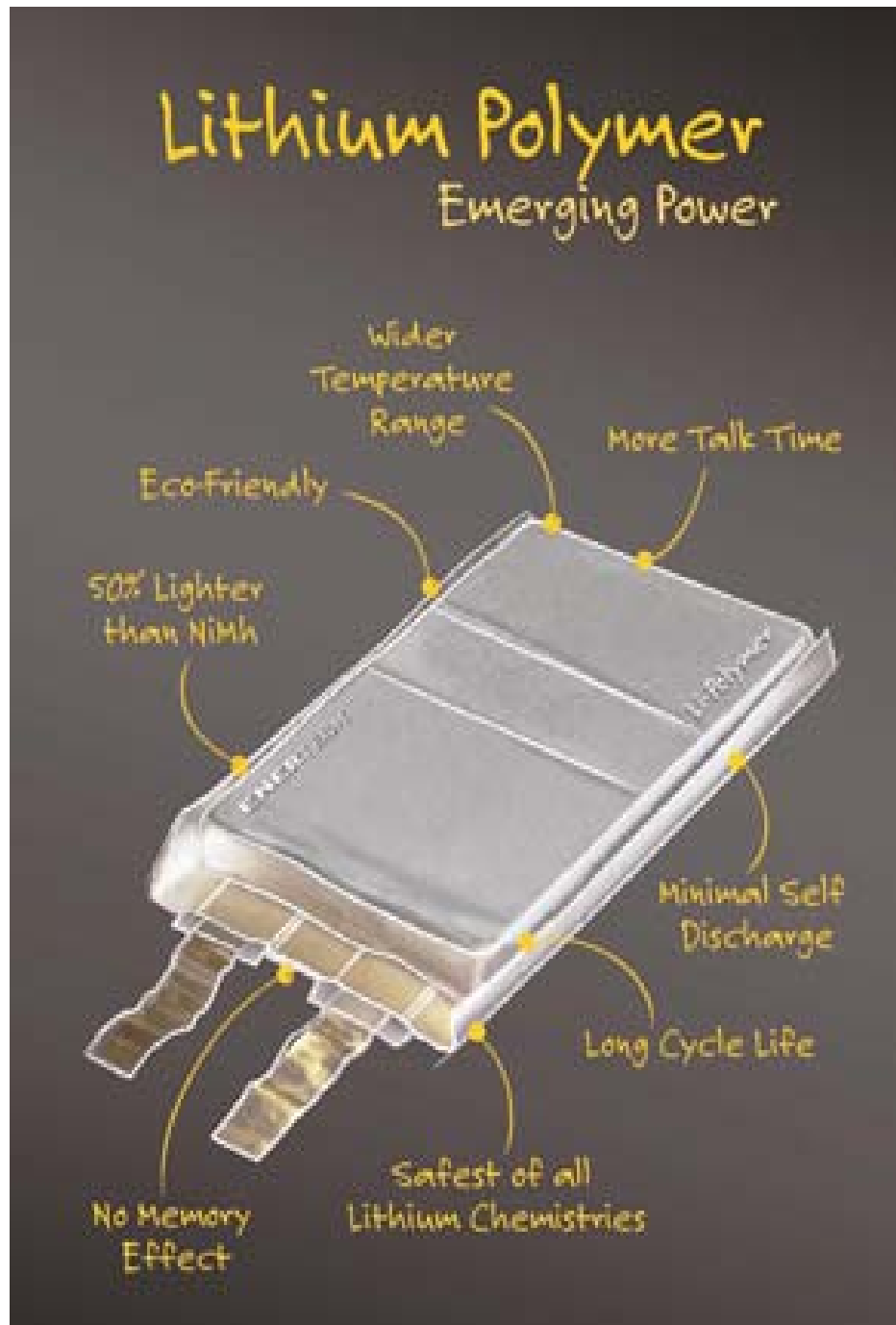


Tomorrow's Portable Power Solutions...Today



Mobile Products Division

Emerging Power

Emerging Power Inc., is a leader in advanced two-way radio battery manufacturing. Based in Hackensack NJ, Emerging Power an ISO company, is a battery engineering, design and manufacturing company that provides products to OEM, Government, Military, Prime Contractors, Aerospace, Industrial, and Consumer as well as aftermarket customers.

Since 2006 we have provided the full range of two-way radio replacement batteries covering all the major radio manufacturers – Motorola, Kenwood, M/A COM, Vertex, ICOM, as well as most legacy two-way radio products.

Emerging Power has developed the next generation batteries for the next generation two-way radios using our own Lithium Polymer cells manufactured by our sister company Enertech. With this new technology Emerging Power supplies batteries for leading companies in the following industries: two-way radio, portable data scanner, unmanned aircraft, as well as medical equipment, security systems and many other applications. Our Lithium Polymer packs are very light-weight in comparison to conventional chemistries and provide high / extended battery capacity, setting us completely apart in the market.

Complementing our advanced Lithium Polymer technology we offer conventional battery chemistries used in two-way radios like Li-Ion, NiMh and NiCd along with a broad line of Primary Lithium batteries designed to operate under adverse and emergency conditions where communication is critical and no access is available to electrical power to charge batteries for hours or even days.

Emerging Power has a broad line of batteries that have been certified by Factory Mutual as intrinsically safe, the same standard used by all OEM's. These batteries are designed to prevent the release of sufficient electrical or thermal energy under conditions than could cause ignition of hazardous materials.

Applications cover Public Safety, State & Local Agencies, Federal Agencies, Transportation, Petroleum, construction, utilities, retail, and mining.

Lithium Polymer

Cells Manufactured by

ENERTECH



Pack Assembled by

EMERGING POWER

Emerging Power is the first to introduce Lithium Polymer chemistry in Two-Way Radio Replacement Battery Packs.

Applications:

- ◆ Two-Way Radios
- ◆ Data Scanners
- ◆ Unmanned Ariel Vehicles
- ◆ Medical
- ◆ Electric Vehicles
- ◆ Notebook Computers
- ◆ PDAs / MP3
- ◆ Cell phone



- ◆ Minimal Self Discharge
- ◆ No Memory Effect
- ◆ Wider Temperature Range
- ◆ Eco-Friendly
- ◆ More Talk Time
- ◆ 50% Lighter than NiMH battery packs
- ◆ Safest of all Lithium Chemistries



EP8294Li-P Black (B) EPKNB43Li-P EP210Li-P EP8294Li-P Orange (O) EP9012Li-P EP406/4Li-P EPKNB60Li-P

EP Part # OEM Part # Volts / Amps Chemistry Charger

EF Johnson: 5100 Series

EP8294Li-P (B) N/A 7.4 / 3300 Li-Poly Tri-Chem
 EP8294Li-P (O) N/A 7.4 / 3300 Li-Poly Tri-Chem

Kenwood: TK2180, TK2181, TK3180, TK3180, TK5210, TK5310

EPKNB43Li-P KNB43L 7.4 / 3300 Li-Poly Tri-Chem

Kenwood: NX200, NX300, TK5220, TK5320

EPKNB60Li-P N/A 7.4 / 3300 Li-Poly Tri-Chem

Harris, M/A COM: Jaguar, SPD2000, J-700P, P5100, P7100

EP210Li-P N/A 7.4 / 3300 Li-Poly Tri-Chem

Harris, M/A COM: P5400, P7300

EP406/4Li-P N/A 7.4 / 3300 Li-Poly Tri-Chem

Motorola: HT750, HT1250, Pro5150, 7150, 9150

EP9012Li-P N/A 7.4 / 3300 Li-Poly Tri-Chem

Motorola: XTS3000, XTS3500, XTS5000, Cosmo

EP8294Li-P (B) N/A 7.4 / 3300 Li-Poly Tri-Chem
 EP8294Li-P (O) N/A 7.4 / 3300 Li-Poly Tri-Chem

Primary Lithium

Emergency Back-up Primary Lithium batteries are perfect for operating Two-Way Radios under adverse and emergency conditions where communication is critical with no access to electrical power to charge a battery for hours and even days.

Popular with emergency personnel responding to Hurricanes, Forest fires, Earthquakes and widely used by Government Agencies.



- ◆ Disposable and non-rechargeable batteries
- ◆ Ready to use “out of the box”, no refilling needed
- ◆ Extremely slow “self discharge” rate when compared to rechargeable batteries, to provide 10 years of shelf life
- ◆ Over 30+ hours of continuous use on 10/10/80 duty cycle from a single unit, equivalent to multiple refills* of an Alkaline Clamshell battery
- ◆ Wider selection to suit popular radio models

*10 refills when tested with EPKNB-49PL battery



EPKNB49Pri-L

EP210Pri-L

EP9012Pri-L

EP7144Pri-L

EP9815Pri-L

EP8294Pri-L

EP Part #	OEM Part #	Volts/ Amps	Chemistry	Charger
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Kenwood: TK2180, TK2181, TK3180, TK3180, TK5210, TK5310

EPKNB32Pri-L	N/A	9.0 / 4500	Pri-Lithium	Non-Rechg
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Harris, M/A COM: Jaguar, SPD2000, J-700P, P5100, P7100

EP210Pri-L	N/A	9.0 / 4500	Pri-Lithium	Non-Rechg
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Motorola: HT750, HT1250, Pro5150, 7150, 9150

EP9012Pri-L	N/A	9.0 / 4500	Pri-Lithium	Non-Rechg
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Motorola: HT1000, GP1200, JT1000, MT2000, MTS2000, MTX8000, MTZ2000

EP7144Pri-L	N/A	9.0 / 4500	Pri-Lithium	Non-Rechg
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Motorola: XTS1500, XTS2500, PR1500

EP9815PriL	N/A	9.0 / 4500	Pri-Lithium	Non-Rechg
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Motorola: XTS3000, XTS3500, XTS5000, Cosmo

EP8294Pri-L (P)	N/A	9.0 / 4500	Pri-Lithium	Non-Rechg
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N/A - not available

Non-Rechg -- one time use battery

Factory Mutual Certified



What is FM approval?

Factory Mutual (FM) is a private company established by major mutual insurance companies. Their role is to test and evaluate products to determine whether they comply with specific standards of intrinsic safety. FM tests both the OEM radio and the Emerging Power battery simultaneously to ensure they can both be operated safely in various gaseous or high dust environments.

Emerging Power batteries with FM approval can be identified by the dark green label on the battery. Be certain that the both the radio and the battery have been FM approved for operation in a hazardous environment.



EP Part #	OEM Part #	Volts/ Amps	Chemistry	Notes
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Harris, M/A COM: Jaguar, SPD2000, J-700P, P5100, P7100

EP191210/5	BKB191210/5	7.5 / 1700	NiCd	<i>FM approved</i>
EP191210/6	BKB191210/6	7.5 / 2700	NiMH	<i>FM approved</i>

M/A COM, GE / Ericsson: Prism, KPC, LPE200, Panther 500P

EP191203/2	BKB191203/2R6A	7.5 / 1500	NiCd	<i>FM approved</i>
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Motorola: Saber, MX1000, MX2000, MX3000

EP4596	NTN4596DR	7.5 / 1800	NiCd	<i>FM approved</i>
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Motorola: XTS1500, XTS2500, PR1500

EP9816	NTN9816	7.5 / 1700	NiCd	<i>FM approved</i>
EP9857	NTN9857	7.5 / 2700	NiMH	<i>FM approved</i>

Motorola: XTS3000, XTS3500, XTS5000, Cosmo

EP8295	NTN8295	7.5 / 1700	NiCd	<i>FM approved</i>
EP8299	NTN8299	7.5 / 2100	NiMH	<i>FM approved</i>
EP4007	RNN4007	7.5 / 3500	NiMH	<i>FM approved</i>

Why Specify a Battery that has been certified by Factory Mutual?

The safety of professionals within your organization is critical to their own well being as well as the protection of your facilities and those locations your organization is chartered to protect batteries that carry the FM approved label provide you with the assurance that this product has been fully tested and certified by qualified engineers to insure that they can be safely used in conjunction with FM approved Radios. Batteries that do not carry this FM approval (self certified Intrinsically safe) potentially pose a risk to your organization.

EP Part #	OEM Part #	Volts / Amps	Chemistry	Notes
<u>Bendix King: DPH, EPH, GPH, LPA, LPH, LPX</u>				
EP0193	LAA0105	9.6 / 1500	NiCd	Black
EP0125HX	N/A	9.6 / 2700	NiMH	Black, HC
EP0171	LAA0171	11.1 / 1880	Li-Ion	Short Case
EP0170L	LAA0170	11.1 / 2600	Li-Ion	Large Case
EP0191CS	LAA0191		Alkaline Clamshell	Orange
<u>EF Johnson: 5100 Series</u>				
EP8299	NTN8299	7.5 / 2100	NiMH	FM approved
EP8923	NTN8923	7.2 / 2000	NiMH	w/belt clip
EP8923H		7.2 / 2700	NiMH	HC w/belt clip
EP4006	RNN4006	7.2 / 4000	NiMH	HC w/belt clip
EP4007	RNN4007	7.5 / 3500	NiMH	FM approved
EP8294Li-P (B)		7.4 / 3300	Li-Poly	Tri-Chem Black
EP8294Li-P (O)		7.4 / 3300	Li-Poly	Tri-Chem Orange
EP8294Pri-L (P)		9.0 / 4500	Pri-Lith	Non-Rechg Purple
EP8299CS			Alkaline Clamshell	Orange
<u>Icom: IC-A4, IC-F3/F4, IC-T2A</u>				
EPBP196H	BP196	9.6 / 1500	NiMH	HC
<u>Icom: IC-F3GT, IC-F4GT, IC-F11</u>				
EPBP210	BP-210N	7.2 / 1650	NiMH	HC
<u>Icom: F14, F15, F24, F25, F33, F43, F43TR, F44</u>				
EPBP232	BP232	7.4 / 2400	Li-Ion	HC
<u>Icom: F50V, F60V</u>				
EPBP227	BP227	7.4 / 1700	Li-Ion	w/ belt clip
<u>Kenwood: NX200, NX300, TK5220, TK5320</u>				
EPKNB48Li	KNB48L, 47L	7.4 / 2500	Li-Ion	HC
EPKNB60Li-P		7.4 / 3300	Li-Poly	Tri-Chem

EP Part # OEM Part # Volts / Amps Chemisty Notes

Kenwood: TK260, TK 270, TK272G, TK360, TK370, TK372G, TK2100, TK3100, TK3101

EPKNB15H KNB20N 7.2 / 2000 NiMH HC

Kenwood: TK190, TK280, TK290, TK380, TK390, TK480, TK481

EPKNB17 KNB17A 7.2 / 1500 NiCd
EPKNB17H KNB22N 7.2 / 2000 NiMH HC

Kenwood: TK2200, TK2207, TK3200, TK3207

EPKNB29H KNB29 7.2 / 1500 NiMH
EPKNB45Li KNB45 7.2 / 1900 Li-Ion

Kenwood: TK2140, TK2160, TK2170, TK3140, TK3160, TK3170, TK3173

EPKNB24Li KNB24, 35L, 55L, 57L 7.4 / 1800 Li-Ion
EPKNB26H KNB26N, 56N 7.2 / 2000 NiMH HC

Kenwood: TK2180, TK2181, TK3180, TK5210, TK5310

EPKNB32H KNB32N, 54N 7.2 / 2700 NiMH HC
EPKNB32Li KNB33L 7.4 / 3000 Li-Ion HC, Long
EPKNB43Li-P KNB43L 7.4 / 3300 Li-Poly Tri-Chem
EPKNB49Pri-L 9.0 / 4500 Pri-Lith Non-Rechg

Harris, M/A COM: Jaguar, SPD2000, J-700P, P5100, P7100, P7200, Unity XG100

EP210/4 BKB191210/4 7.2 / 2700 NiMH HC
EP191210/6 BKB191210/6 7.5 / 2700 NiMH **FM approved**
EP210Li-P 7.4 / 3300 Li-Poly Tri-Chem
EP210Pri-L 9.0 / 4500 Pri-Lith Non-Rechg

Harris, M/A COM: P5400, P7300, Unity XG75

EP406/3 BT-023406-003 7.2 / 2500 NiMH HC
EP406/4Li BT-023406-004 7.4 / 2500 Li-Ion HC
EP406/4 Li-P 7.4 / 3300 Li-Poly Tri -Chem

EP Part # OEM Part # Volts / Amps Chemistry Notes

M/A COM, GE Ericsson: MPA, MPD, PLS, TPX

EP8607 PAPA1H, A9A704580P1,3,5,7 7.2 / 1700 NiCd Long

M/A COM, GE Ericsson: M-RK I, M-RK II

EP838P3 344A3278P1 7.2 / 1800 NiMH
EP838P3H 7.2 / 2500 NiMH HC

M/A COM GE / Ericsson: Prism, KPC, LPE200, Panther 500P

EP191203/2 BKB191203/2R6A 7.5 / 1500 NiCd **FM approved**
EP203H BKB191203/1 7.2 / 2000 NiMH

Motorola: APX 6000/7000

EP7034Li NNTN7034 7.4 / 4800 Li-ion HC

Motorola: CP150, CP200, CP250, PR400

EP4851 NNTN4851 7.2 / 1600 NiMH Round case
EP4497 NNTN4497 7.4 / 2250 Li-Ion Round case w/BC
EP4970 NNTN4970 7.4 / 1800 Li-Ion Slim w/ BC

Motorola: HT750, HT1250, Pro5150, 7150, 9150

EP9008H HNN9008 7.2 / 1500 NiMH w/belt clip
EP9009H HNN9009 7.2 / 2000 NiMH w/belt clip
EP9009HX HNN9009 7.2 / 2700 NiMH HC w/belt clip
EP9012-Li-P 7.4 / 3300 Li-Poly Tri-Chem
EP9012Pri-L 9.0 / 4500 Pri-Lith Non-Rechg

Motorola: HT1000, GP1200, JT1000, MT2000, MTS2000, MTX8000, MTZ2000

EP7144 NTN7144 7.2 / 1500 NiCd w/belt clip
EP4013 WPNN4013 7.2 / 2000 NiMH w/belt clip
EP4013HX 7.2 / 2700 NiMH HC w/belt clip
EP7144Pri-L 9.0 / 4500 Pri-Lith Non-Rechg



EP Part #	OEM Part #	Volts / Amps	Chemistry	Notes
<u>Motorola: Radius GP300, GTX Series, LTS2000, MTX638, PTX600</u>				
EP9628HX		7.2 / 2000	NiMH	HC
<u>Motorola: Saber, MX1000, MX2000, MX3000</u>				
EP4595H		7.2 / 2700	NiMH	HC
<u>Motorola: MOTOTRBO, XPR Series</u>				
EP4066	PMNN4066	7.5 / 1900	Li-Ion	
<u>Motorola: XTS2500, XTS1500, PR1500</u>				
EP9857	NTN9857	7.5 / 2700	NiMH	FM approved
EP9858H	NTN9858	7.2 / 2000	NiMH	w/belt clip
EP9858HX		7.2 / 2700	NiMH	HC
EP9815Li-P		7.4 / 3300	Li-Poly	Tri-Chem
EP9815Pri-L		9.0 / 4500	Pri-Lith	Non-Rechg
EP9858CS			Alkaline Clamshell	Orange
<u>Motorola: XTS3000, XTS3500, XTS5000, Cosmo</u>				
EP8299	NTN8299	7.5 / 2100	NiMH	FM approved
EP8923	NTN8923	7.2 / 2000	NiMH	w/belt clip
EP8923H		7.2 / 2700	NiMH	HC w/belt clip
EP4006	RNN4006	7.2 / 4000	NiMH	HC w/belt clip
EP4007	RNN4007	7.5 / 3500	NiMH	FM approved
EP6034Li	NNTN6034	7.4 / 4150	Li-Ion	
EP8294Li-P (B) black		7.4 / 3300	Li-Poly	Tri-Chem
EP8294Li-P (O) orange		7.4 / 3300	Li-Poly	Tri-Chem
EP8294Pri-L (P) purple		9.0 / 4500	Pri-Lith	Non-Rechg
EP8299CS			Alkaline Clamshell	Orange
<u>Tait: Orca</u>				
EPTOPB200H	TOPB200H	7.2 / 2150	NiMH	w/belt clip
<u>Vertex: VX160, VX180, VX210AV, VX400, VX410, VX420</u>				
EPFNB57H	FNB-V83	7.2 / 1650	NiMH	HC



EP Part #	OEM Part #	Volts / Amps	Chemistry	Notes
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Vertex: VX600, VX900

EPFNB68Li	FNB-68Li	7.4 / 1800	Li-Ion	
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Vertex: VX 820, VX 824, VX920, VX921, VX924, VX929

EPFN87Li	N/A	7.4 / 2000	Li-Ion	
EPFNB92Li	N/A	7.4 / 3000	Li-Ion	

Vertex: VXD720

EP4066	PMNN4066	7.4 / 1900	Li-Ion	
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HC - High Capacity

Non-Rechg - 10 year shelf life

Warranty Policy:

All rechargeable battery packs are warranted for full 24 months against any defects in manufacturing or non-cell related issues. NiCd, NiMh, Li-ion & Li-poly batteries are warranted to maintain 80% of their rated capacity for 12 months. Primary Lithium Batteries (One time use) are warranted as having a 10 year shelf life when stored in an ambient temperature.

Non Emerging Power Branded Products carry the warranty of the specific product manufacture.

“Emerging Power is prepared for Emergencies, Are You?”

Emerging Power offers a full line of ‘Back-Up” batteries for 1st Responders/Diaster Recovery Personel responding to Tornados, Hurricanes & Forest Fires.

“If you can’t communicate, you can’t operate”

See page #'s 5 & 6 for full list of batteries and radio models



Four Station or Two Station Battery Analyzer for NiCd, NiMh, Li-Ion, and Sealed Lead Acid Batteries. Factory settings include “**Prime**” to format new batteries, “**Boost**” to wake up low voltage batteries, “**Auto**” to recondition weak batteries, “**Self-Discharge**” verifies charge retention, “**Cycle Life**” test longevity and “**Custom**” enables user to set specialty programs. Pre-configured battery adapters enable quick interface with all major batteries.

Operates as a stand-alone or with a PC running “**BatteryShop**” software.



IQ^{Five} Six Station Analyzer / Conditioner

- ◆ Test & Display Your Battery Capacity
- ◆ Condition/ Service “Bad” Batteries
- ◆ Form New Batteries
- ◆ Test Your Radio Charger
- ◆ Charge Your Battery
- ◆ Print Test Results

IQ^{Plus} Three Station Analyzer / Conditioner

- ◆ Analyze Mode Measures capacity
- ◆ Rejuvenate “bad” batteries
- ◆ Forms New Batteries
- ◆ Supports NiCd, NiMh & Li-ion



Part Number Product Description

Chargers

AC/DC-6	Universal Rapid Six Bank Charger
DC-1	Universal Rapid Vehicle Charger
AC-1	Universal Single Rapid Desktop Charger
AC/DC-3	Universal Rapid Three Bank Charger



Charger Accessories

Spare Adapter Cup	Additional Charger Cup
WB-1	Quick Release Metal wall bracket for 6-Bank charger
DCK-1	Quick Release DC 6 bank optional vehicle kit
WB-2	Quick Release Metal wall bracket for 3 bank charger
DCK-2	Quick Release DC 3-bank optional vehicle kit
PC-DC1-10	10 ft. cable, hard wire kit for DC-1 vehicle charger
PC-DC6-10	10 ft. cable, hard wire kit for AC/DC-3 and AC/DC-6 charger
PC-DC1-1	Replacement cigarette lighter cable for DC-1 charger
PC-AC1	Replacement power supply cord for AC-1 charger
PC-DC-6	Replacement DC power cable for AC/DC-3 and AC/DC-6 chargers
PC-AC-6	Replacement AC power cable for AC/DC-3 and AC/DC-6 chargers



Recycling Information:

Only alkaline batteries can be disposed of in the garbage. All other batteries should be recycled, or disposed of properly. You may consider keeping your dead battery as there may be a point when it is no longer in production and can only be rebuilt using the old casing. For battery recycling information in the US and Canada, call **1-800-8-Battery**

