

**MASTER AGREEMENT**



Document ID: 00002367

Fiscal Year: 2013

Version: **1** New

Buyer: **Brian Mohnney** BM

Buyer Phone: 410-887-2496

Effective Date: 02/01/13

Expiration Date: 01/31/14

Date Printed: January 14, 2013

**BALTIMORE COUNTY, MARYLAND**  
Office of Budget and Finance

Vendor VC0000010119 Phone: 410-342-8060  
Best Battery Co Inc  
4015 Fleet Street  
Baltimore MD 21224

Document Description: Battery, vehicular.

Approved by County Council:

Not to Exceed:

Reason for Modification:

Incorporating the Baltimore County Solicitation #B-609 dated 01/04/13, including, but not limited to, the Bid Response, Procurement Affidavit, MBE/WBE Affidavit and documents, and Insurance, as applicable. Supercedes Master Agreement #875. Vendor Contact: Bryan P. Jones, phone 410-342-8060, fax: 410-327-1645, Email: bryan@thebestbattery.com.

This is not an order to ship (or begin service). A Delivery Order (DO) or Purchase Order (PO) must be issued before you are authorized to ship (or begin service). This is a notice that the Master Agreement (MA) referenced above has been awarded to you based on the bid (or proposal) you submitted. All terms, conditions and specifications of the solicitation will apply to all orders placed from this agreement. Any agency authorized to purchase from this agreement must issue an order and reference the Master Agreement number, line number and commodity item number for each item. Changes in items to be furnished are not permitted (unless approved by the Purchasing Division prior to delivery). Prior approval must also be obtained before distributors can be added or deleted. If a distributor list was submitted, the contractor must send copies of this award to each distributor. Quantities listed are estimated and no quantities are guaranteed. The contractor must supply actual requirements ordered at the Master Agreement price awarded.

Line No.	Commodity	UoM	Unit Price	Discount % Off Catalog \$	Contract Amount
1	06012	EACH	\$0.0000	0.0000	\$0.0000
Battery, vehicular, 0% discount off price sheet, as specified. Mfg: Exide and Deka.					
2	06012	EACH	\$10.0000	0.0000	\$0.0000
Credit, battery, junk, picked up from jurisdiction storeroom locations, one for one (purchase one/ one turned in as core), as specified.					
3	06012	EACH	\$13.5000	0.0000	\$0.0000
Credit, battery, junk, picked up from landfill locations, as specified.					
Renewal Period No:	1	Renewal Begin Date:	02/01/14	Renewal End Date:	01/31/15
Renewal Period No:	2	Renewal Begin Date:	02/01/15	Renewal End Date:	01/31/16
Renewal Period No:	3	Renewal Begin Date:	02/01/16	Renewal End Date:	01/31/17
Renewal Period No:	4	Renewal Begin Date:	02/01/17	Renewal End Date:	01/31/18

1. Purchases are subject to the Baltimore County Charter and Article 10, Title 2 of the Baltimore County Code, 2003, as amended. Baltimore County will not be responsible for any goods delivered or services rendered unless covered by an official order signed by the Purchasing Agent or his/her designee. No change, modification, or revision shall be binding upon Baltimore County unless made in writing by the Purchasing Agent or his/her designee. Contractor shall not assign its obligations to perform hereunder in whole or in part without the prior written consent of the Purchasing Agent or his/her designee.
  2. If this Master Agreement, Contract, or Purchase Order is for an amount of \$25,000 or less, the County Executive and the County Administrative Officer are not required by the Baltimore County Code to sign. Accordingly, any such Master Agreement, Contract or Purchase Order that is for \$25,000 or less shall be signed by the Director of the Office of Budget and Finance or his designee as allowed for in the County Code.
  3. The County's Solicitation, Request for Proposal, or Request for Bid, as applicable, shall be incorporated herein in its entirety.
  4. The Contractor may not and shall not amend or modify the terms and conditions of this Master Agreement, Contract, or Purchase Order, as applicable, unless such amendment or modification is in writing and signed by a legally authorized signatory of the Contractor and the County, and the Baltimore County Office of Law.
  5. Invoicing: Invoices must be submitted, in duplicate, to the Office of Budget and Finance, Disbursements Section, Room 148, 400 Washington Avenue, Towson, MD 21204-4665. Invoices must show the vendor's federal tax identification number (FEIN) or social security number, as appropriate and order number and line number(s) that correspond with the order(s). Cash discount periods will be computed either from the date of delivery and acceptance of the goods ordered, or the date of receipt of correct and proper invoices prepared in accordance with terms of Baltimore County's order, whichever date is later. Under no circumstances will interest be paid.
  6. Incorporation by reference: If this purchase order is the result of a written solicitation, the solicitation and response are hereby incorporated by reference.
  7. County Council Approval: Prior approval of the Baltimore County Council is required on contracts for services in excess of \$25,000 per year or in excess of two years.
  8. Fee Prohibition: The contractor warrants and represents that it has not employed or engaged any person or entity to solicit or secure this agreement, and that it has not paid, or agreed to pay any person or entity a fee or any other consideration contingent on the making of this agreement. If any suit, claim, or demand shall arise concerning such a fee, the contractor agrees to indemnify, hold harmless, and defend the County from all such claims, suits, or demands.
  9. Discrimination Prohibited: In the execution of the obligations and responsibilities hereunder, including, but not limited to, hiring or employment made possible by or relating to this agreement, the contractor shall not discriminate against persons because of race, color, religion, sex, age, political affiliation, national origin, marital status, or disability unrelated in nature and extent so as to reasonably preclude the performance of the employment.
  10. Applicable Law: This agreement shall be governed and construed in accordance with the laws and regulations of the State of Maryland and Baltimore County.
  11. Funding Out: If funds are not appropriated or otherwise made available to support continuation of this agreement in any fiscal year, the County shall have the right to terminate the agreement without prior notice to the contractor and without any obligation or penalty.
  12. Material Safety Data Sheet: If products to be provided to the County contain any substances that could be hazardous or injurious to a person's health, a material safety data sheet (MSDS) must be provided to the Purchasing Division, 400 Washington Avenue, Room 148, Towson, MD 21204-4665. This applies also to any product used by a contractor when providing a service to the County.
  13. Recycled and Recyclable Products: The contractor agrees that it will not use packaging materials made of non-recyclable Styrofoam (Polystyrene). Additionally, any materials used in packing to cushion, protect and ship are to be made of recycled, recyclable or biodegradable materials.
  14. Copiers, scanners, printers, facsimile equipment and any other office equipment that contain hard drives that have the capability to store data internally, will be required to provide overwrite capability with an option to return hard drives to the County for proper disposal at the end of life.
  15. Termination for Convenience: The County may terminate this agreement, in whole or in part, without cause, by providing written notice thereof to the contractor. In the event of termination, without cause, the County shall advise the contractor in writing of the termination date and of work to be performed during the final days prior to termination. The contractor shall be paid for all reasonable costs incurred by the contractor up to the date of termination set forth in the written notice of termination. The contractor will not be reimbursed for any anticipatory profits, which have not been earned up to the date of termination. Payments to be provided on a lump sum basis shall be prorated by the County based on the services rendered or goods delivered up to the date of termination set forth in the written notice.
  16. Termination for Default: In addition to other available rights and remedies, the County shall have the right upon the happening of any default, without providing notice to the contractor: 1) To terminate this agreement immediately, in whole or in part; 2) To suspend the contractor's authority to receive any un-disbursed funds; and/or 3) To proceed at any time or from time to time to protect and enforce all rights and remedies available to the County, by suit or any other appropriate proceedings, whether for specific performance or any covenant, term or condition set forth in the contract, or for damages or other relief, or proceed to take any action authorized or permitted under applicable law or regulations. Upon termination of this agreement for default, the County may elect to pay the contractor for services provided or goods delivered up to the date of termination, less the amount of damages caused by the default, all as determined by the County in its sole discretion. If the damages exceed the undisbursed sums available for compensation, the County shall not be obligated to make any further disbursements hereunder.
  17. Indemnification: The contractor shall indemnify and hold harmless the County, its employees, agents and officials from any and all liabilities, claims, suits, or demands including attorney's fees and court costs which may be incurred or made against the county, its employees, agents or officials resulting from any act or omission committed in the performance of the duties imposed by and performed under the terms of the agreement. The contractor shall not be responsible for acts of gross negligence or willful misconduct committed by the County.
- The contractor shall also indemnify and hold harmless the County, its employees, agents and officials from any and all liabilities, claims, suits, or demands including attorney's fees and court costs which may be made against the County, its employees, agents or officials by any third party arising from the alleged violation of any third party's trade secrets, proprietary information, trademark, copyright, patent rights, or intellectual property rights in connection with the agreement.
18. Defense: Unless notified in writing by the County to the contrary, the contractor shall provide defense for the County, its employees, agents and officials and in doing so the contractor shall allow the County to participate in said defense of the County, its employees, agents and officials, to the extent and as may be required by the County and the contractor shall cooperate with the County in all aspects in connection therewith. All filings, actions, settlements, and pleadings shall be provided to the County for comment and review prior to filing or entering thereof. No filing, action, settlement or pleading shall be filed or entered without the prior consent and approval of the County.
  19. Property Lost, Damaged or Destroyed: Any deliverables to be provided by the contractor will remain at the contractor's risk until written acceptance by Baltimore County; and the contractor will replace, at the contractor's expense, all deliverables lost, damaged or destroyed by any cause whatsoever.

Reviewed and Approved:  
 By: Deborah Smeekant  
 Director of Budget and Finance  
 or Director's designee

Baltimore County, Maryland  
 By: [Signature]  
 County Administrative Officer 23828

Reviewed for Legal Sufficiency  
 (based upon typeset document)  
 By: [Signature]  
 Baltimore County Office of Law 23828  
 (approval does not convey approval or disapproval of substantive nature of the transaction)



January 3, 2013

Baltimore County, Maryland  
Purchasing Bureau  
400 Washington Avenue, Room 148  
Towson, Maryland 21204-4665

Re: Bid No: B-609 Vehicular Batteries

To Whom It May Concern:

Attached please find:

1. The complete copy of the Distributor Price Sheet as required.
2. EPA Numbers as required.
3. References as required.
4. MSDS Sheet as required.
5. Variation from Specifications Chart as required.
6. Copies of the Manufacturer's Specifications as required.
7. BRCPC Bid Documents

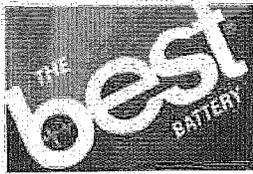
Thank you once again for the opportunity to bid the BRCPC contract.

Respectfully,

Bryan P. Jones  
Secretary/Controller

4015 Fleet Street • Baltimore, Maryland 21224  
Local 410-342-8060 • Toll Free 1-800-638-2378 • Fax 410-327-1645

*Quality Power....Since 1953*



**BATTERIES STARTERS ALTERNATORS GENERATORS**  
**CARBURETORS DC MOTORS**  
**4015 Fleet Street Baltimore, Maryland 21224**  
**Local 410-342-8060 Toll Free 1-800-638-2378 Fax 410-327-1645**

*Quality Power...Since 1953*

IDENTIFICATION					DIMENSION			WARRANTY		PRICE
BCI GROUP	BEST PART	CCA	CA	RC	LENGTH (in)	WIDTH (in)	HEIGHT (in)	FREE	TOTAL	01/01/2013 BRPC*
<b>PASSENGER CAR AND LIGHT COMMERCIAL - 12 VOLT</b>										
22F	22F60	425	540	65	9 3/8	6 3/4	8 3/16	6	42	\$69.50
22NF	22NF	390	450	70	9 3/8	5 7/16	9	6	42	\$62.79
24	2460	525	630	90	10 1/16	6 3/4	9	6	42	\$42.31
24F	24F60	525	630	90	10 1/8	6 3/4	9	6	42	\$42.31
25	2560	525	630	85	9	6 5/8	8 3/4	6	42	\$66.63
26	2660	525	630	80	8 1/8	6 3/4	8 3/16	6	42	\$42.31
26R	26R60	540	635	80	8 1/8	6 7/8	8 3/16	6	42	\$42.31
27	2760	700	850	120	12	6 1/2	9	6	42	\$49.41
27F	27F60	700	850	120	12	6 1/2	9	6	42	\$49.41
34	34HC	770	950	120	10 1/8	6 3/4	8 3/16	6	42	\$69.97
	3460	630	750	100	10 1/8	6 3/4	8 3/16	6	42	\$63.66
34R	34RHC	770	950	120	10 1/8	6 3/4	8 3/16	6	42	\$69.97
35	3560	525	630	85	9	6 5/8	8 3/4	6	42	\$57.87
36R	36R60	650	800	95	10 1/4	7 1/8	7 3/4	6	42	\$68.65
45	4560	495	595	80	9 3/8	5 7/16	9	6	42	\$59.34
50	5060	600	750	108	13 1/2	5	10	6	42	\$88.63
51	5160	450	540	70	9 1/4	4 15/16	8 9/16	6	42	\$67.21
51R	51R60	450	540	70	9 1/4	4 15/16	8 9/16	6	42	\$67.21
55	5560	500	600	75	9 3/8	6 1/16	8 1/2	6	42	\$68.87
56	5660	580	690	90	10 7/16	6 5/16	8 3/8	6	42	\$68.87
58	5860	540	675	80	9 1/4	7 1/8	7	6	42	\$47.78
58R	58R60	580	700	80	9 1/4	7 1/8	7	6	42	\$48.72
59	5960	590	710	100	10 1/16	7 11/16	7 3/4	6	42	\$82.68
62	6260	480	590	80	8 3/4	6 1/4	8 7/8	6	42	\$74.16
64	6460	575	725	110	11 1/2	6 1/4	8 7/8	6	42	\$78.87
65	6560	850	1000	160	12 1/16	7 5/16	7 5/8	6	42	\$57.15
70	7060	525	630	80	8 11/16	7 1/16	7 3/16	6	42	\$38.53
75	75HC	690	900	160	9	7 1/16	7 3/16	6	42	\$53.93
78	78HC	770	960	120	10 3/16	7 1/16	7 3/16	6	42	\$57.96
	7860	630	785	100	10 3/16	7 1/16	7 3/16	6	42	\$39.00
79	7960	880	1000	140	12 1/16	7 1/16	7 3/8	6	42	\$129.02
86	8660	630	785	90	9	6 13/16	8	6	42	\$67.77
100	100-60	770	950	120	10 1/8	7 1/16	7 3/8	6	42	\$136.49
101	101-60	650	810	110	10 1/4	7 1/16	6 11/16	6	42	\$148.39
121R	121R-60	500	600	80	8 1/8	6 7/8	7 3/4	6	42	\$77.23
124R	124R-60	670	810	110	10 1/4	6 7/8	8 3/8	6	42	\$100.74
151R	151R-60	330	440	55	7 1/4	4 15/16	8 3/4	6	42	\$75.01
<b>UNIVERSAL BATTERIES - 12 VOLT</b>										
86/75	DT75HC	630	785	100	9 7/16	6 15/16	8 1/8	6	42	\$45.53
34/78	DT34HC	850	1060	128	10 3/16	7 1/16	8 3/16	6	42	\$58.53
<b>EUROPEAN PASSENGER CAR / LIGHT COMMERCIAL - 12 VOLT</b>										
40R	40R60	590	740	100	11	6 15/16	6 15/16	6	42	\$85.67
41	4160	675	835	105	11 1/4	6 3/4	6 7/8	6	42	\$79.31
42	4260	500	600	70	9 3/8	6 7/8	6 3/4	6	42	\$68.24
47	4760	600	750	85	9 3/4	6 7/8	7 1/2	6	42	\$68.56
48	4860	690	850	110	12	6 7/8	7 5/8	6	42	\$87.39

IDENTIFICATION					DIMENSION			WARRANTY		PRICE
BCI GROUP	BEST PART	CCA	CA	RC	LENGTH (in)	WIDTH (in)	HEIGHT (in)	FREE	TOTAL	01/01/2013 BRCPC**
49	4960	850	1000	140	13 15/16	6 15/16	7 1/2	6	42	\$92.39
<b>EUROPEAN PASSENGER CAR / LIGHT COMMERCIAL - 12 VOLT</b>										
90	9060	520	650	80	9 9/16	6 15/16	6 15/16	6	42	\$94.39
91	9160	700	850	100	11	6 7/8	6 7/8	6	42	\$110.78
94R	94R60	765	910	135	12 7/16	6 15/16	7 1/2	6	42	\$140.09
95R	95R60	850	1020	190	15 1/2	6 7/8	7 1/2	6	42	\$228.79
96R	96R60	590	710	95	9 5/8	6 7/8	6 7/8	6	42	\$100.42
<b>HEAVY DUTY COMMERCIAL - 12 VOLT</b>										
	3103	925	1050	180	12 7/8	6 3/4	9 5/16	6	24	\$74.34
	3102	700	840	180	12 7/8	6 3/4	9 5/16	6	24	\$59.34
	3103P	925	1050	180	12 7/8	6 3/4	9 5/16	6	24	\$74.34
	30H	700	875	160	12 7/8	6 3/4	9 1/2	6	24	\$38.50
4D	4D03	1000	1200	320	20 3/4	8 11/16	10	6	24	\$90.53
4DLT	4DLT	810	970	250	19 7/8	8 1/8	8 1/8	6	24	\$121.16
	8DHC	1400	1700	430	20 3/4	10 7/8	10	6	24	\$155.48
8D	8D03	1300	1560	435	20 3/4	10 7/8	10	6	24	\$103.58
	8DSIDE	1300	1560	435	20 3/4	10 7/8	10	6	24	\$186.50
<b>HEAVY DUTY COMMERCIAL (SPECIAL TRACTOR) - 6 VOLT</b>										
1	103	625	750	160	9	6 3/4	8 3/4	6	24	\$56.34
2	203	625	750	150	10 3/8	7 1/8	9 3/8	6	24	\$64.65
4	403	975	1170	300	12 7/16	6 3/16	9 3/8	6	24	\$78.85
3EH	3EH	850	1020	280	19 1/4	4 1/4	9 7/8	6	24	\$87.06
4EH	4EH	930	1110	300	19 1/4	5	9 7/8	6	24	\$98.56
<b>SPECIAL TRACTOR - 12 VOLT</b>										
3EE	3EE	370	440	100	19 3/8	4 3/8	8 7/8	6	24	\$87.39
3ET	3ET	460	550	120	19 3/16	4 3/16	9 11/16	6	24	\$99.89
<b>LAWN &amp; GARDEN - 12 VOLT</b>										
U1	U1L350	350	410	40	7 11/16	5 1/8	7 1/4	6	42	\$53.14
	U1HC	300	365	35	7 11/16	5 1/8	7 1/4	6	42	\$32.80
	U19	230	275	25	7 11/16	5 1/8	7 1/4	6	42	\$23.75
U1R	U1RHC	300	365	35	7 11/16	5 1/8	7 1/4	6	42	\$32.80
	U1R9	230	275	25	7 11/16	5 1/8	7 1/4	6	42	\$23.75
<b>MARINE STARTING - 12 VOLT</b>										
24M	24MHC	800	1000	115	10 1/8	6 3/4	9 1/8	6	42	\$62.34
	24M3	550	650	90	10 1/8	6 3/4	9 1/8	6	42	\$40.53
27M	27M	650	810	175	12 3/4	6 5/8	9 1/4	6	42	\$40.53
31M	31M	700	875	205	12 7/8	6 3/4	9 1/4	6	42	\$78.94
BCI GROUP	BEST PART	CCA	RC	AH 20HR	LENGTH (in)	WIDTH (in)	HEIGHT (in)	FREE	TOTAL	01/01/2013 BRCPC**
<b>MARINE DEEP CYCLE - 12 VOLT</b>										
24M	24DC	550	140	65	11	6 5/8	9 1/4	6	42	\$40.53
27M	27DC	650	175	80	12 3/4	6 5/8	9 1/4	6	42	\$40.53
31M	31DC	700	205	100	12 7/8	6 3/4	9 1/4	6	42	\$78.94

Dimensions are measured to the top of the terminal. Specifications, performance ratings and pricing are subject to change without notice.

Junk Credits quoted are at 38 cent scrap lead effective 01/01/2013

\*\*This is an Unique Price Sheet For BRCPC with discounts already applied, therefore the discount value is zero



# The Best Battery Co., Inc.

Batteries • Starters • Alternators • Carburetors • DC Motors

## CLASSIFICATION OF WASTE LEAD ACID BATTERIES TO COMPLY WITH 40 CFR 262.11

### Waste Classification

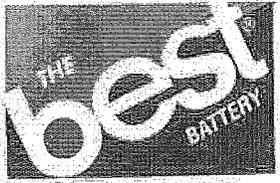
In accordance with 40 CFR 262.11(c)(2), The Best Battery Co., Inc. has applied generator knowledge of the components of a waste lead acid battery to determine if the waste is a hazardous waste. Due to the lead content and sulfuric acid content of a battery, The Best Battery Co., Inc. has determined that a battery will exceed the TCLP toxicity limit of 5.0 mg/l for lead, and will be below the corrosivity pH limit of 2.0 s.u. Based upon this evaluation, a lead acid battery would be a characteristically hazardous waste with a D002 and D008 classification.

In accordance with 40 CFR 262.11(d), because the waste lead acid batteries are being collected, stored, and transported to a smelter for recycling, The Best Battery Co., Inc. will be managing the batteries under 40 CFR 266.80(a), and is exempt from managing the lead acid batteries as hazardous waste under 40 CFR chapters 262 (except 262.11) 263, 264, 265, 266, 270, 124, and the notification requirements section 3010 of RCRA.

### Locations of Lead Recycling Facilities used by The Best Battery Co., Inc. and associated U.S. EPA I.D. #'s:

Baton Rouge, LA	LAD008184137
Forrest City, MO	MOD030712822
Muncie, IN	IND000717959
Vernon, CA	CAD097854541
Boss, MO	MOD059200089
Eagan, MN	MND006148092
Tampa, FL	FLD004092839
Indianapolis, IN	IND000199653
Middletown, NY	NYD030485288
City of Industry, CA	CAD066233966
Troy, AL	ALD046481032

The Best Battery Co., Inc.  
4015 Fleet Street • Baltimore, Maryland 21224  
Local 410-342-8060 • Toll Free 1-800-638-2378 • Fax 410-327-1645  
[www.thebestbattery.com](http://www.thebestbattery.com)



**Bid #B-609 – Vehicular Batteries**

**REFERENCES**

**Fairfax County – Contract# 4400002772**

12000 Government Center Parkway  
Fairfax, VA 22035-0013  
Howard Frame  
703-324-3591  
703-324-3228 – Fax

**City of Baltimore – Contract# B50000822**

231 E. Biddle Street  
Baltimore, MD 21202  
Sue Ziegler  
410-396-3617

**MCPS – Contract# 7102-3**

16651 Crabbs Branch Way  
Rockville, MD 20855  
Robert Hefner  
301-840-8139  
301-670-3224 – Fax

4015 Fleet Street • Baltimore, Maryland 21224  
Local 410-342-8060 • Toll Free 1-800-638-2378 • Fax 410-327-1645

*Quality Power....Since 1953*

BRCPC  
 Bid Number B-609 - Vehicular Batteries  
 Variations from Specifications

Bid Specifications		Best Battery Specs		Deviation
Part #	CCA	Part #	CCA	
24/24F	550	24/24F60	525	4.5% Deviation
26	550	2660	525	4.5% Deviation
27/27F	715	27/27F60	700	2.1% Deviation
31	950	3103	925	2.6% Deviation
58	560	5860	540	3.6% Deviation
74	555	7860	630	Group 74 no longer manufactured, Group 78 is the replacement battery. CCA is higher than required in Bid.
75DT	650	DT75HC	630	3.1% Deviation



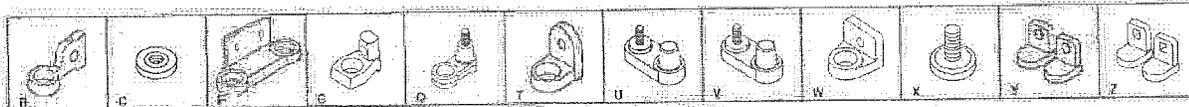
EFFECTIVE APRIL 1, 2012  
 www.dekabatteries.com  
**EAST PENN manufacturing co. inc.**  
 LYON STATION, PA 19356 • Phone: 610-682-6361 • Fax: 610-682-4781  
 Order Department Hotline: 610-682-4231  
 www.dekabatteries.com

GROUP NO.	PART NO.	PERFORMANCE LEVEL			20 HR CAP	WEIGHT (lbs)	MAXIMUM OVERALL DIMENSIONS			Case Value	WARRANTY FREE MONTHS	FOOTNOTES			
		CCA	R.C.	RES CA			LENGTH	WIDTH	HEIGHT						
12-VOLT INTIMIDATOR AGM - VALVE REGULATED															
					WET	in	mm	in	mm	in	mm				
347B	9A78DT	775	120	955	55	42.5	10-3/4	273	6-7/8	175	8	203	1.0	24	2,13,16,17
347B	9A78CDT	700	120	840	55	40.5	10-3/4	273	6-7/8	175	8	203	1.0	24	2,13,16,17
34	9A34	775	120	955	55	41	10-3/4	273	6-7/8	175	8	203	1.0	24	2,13,17
34R	9A34R	775	120	955	55	41	10-3/4	273	6-7/8	175	8	203	1.0	24	2,13,17
47	9A47	600	100	690	60	39	9-1/2	242	6-7/8	175	7-1/2	190	1.0	24	13,17,22
48	9A48	760	120	875	70	45.5	11	278	6-7/8	175	7-1/2	190	1.0	24	13,17,22
49	9A49	850	120	975	92	58.5	13-3/8	354	6-7/8	175	7-1/2	190	1.0	24	13,17,22
65	9A65	775	120	955	55	42.5	10-3/4	273	6-7/8	175	7-3/8	184	1.0	24	2,13,17
78	9A78	775	120	955	55	42.5	10-3/4	273	6-7/8	175	7-1/2	190	1.0	24	2,13,17,22
94R	9A94R	890	140	920	90	51.5	12-7/16	315	6-7/8	175	7-1/2	190	1.0	24	13,17,22
95R	9A95R	950	180	1090	105	64.5	15-1/2	394	6-7/8	175	7-1/2	190	1.0	24	13,17,22
31	9A31	925	190	1060	100	63	13	330	6-3/4	171	9-1/2	241	1.5	18	2,13,17,43,X
31P	9A31P	925	190	1060	100	63	13	330	6-3/4	171	9-1/2	241	1.5	18	2,13,17,43
34M	9A34M	775	120	955	55	41.5	10-3/4	273	6-7/8	175	8-3/8	212	1.0	18	2,13,17,43,U
GROUP NO.	PART NO.	PERFORMANCE LEVEL			20 HR CAP	WEIGHT (lbs)	MAXIMUM OVERALL DIMENSIONS			Case Value	WARRANTY FREE MONTHS	FOOTNOTES			
		CCA	R.C.	RES CA			LENGTH	WIDTH	HEIGHT						
12-VOLT ULTIMATE ADVANCED GENERATION / AGM TECHNOLOGY															
					WET	in	mm	in	mm	in	mm				
75RB	775DT	690	90	820	35	9-3/4	248	7	178	6-7/8	206	1.0	24	14,16,17,18,22,37	
347B	775DT	850	115	1020	41	10-3/4	273	6-7/8	175	8	203	1.0	24	14,16,17,18,22,37	
24	724MF	725	120	890	42.5	10-3/4	273	6-3/4	171	9	229	1.0	24	17,22	
24F	724FMF	725	120	890	42.5	10-3/4	273	6-3/4	171	9	229	1.0	24	17,22	
25	725MF	625	95	775	35.5	9-3/4	248	6-7/8	175	8-7/8	225	1.0	24	17,22	
27	727MF	840	140	1010	49.5	12-5/8	321	6-3/4	171	9	229	1.0	24	17,21	
27F	727FMF	840	140	1010	49.5	12-5/8	321	6-3/4	171	9	229	1.0	24	17,21	
34	734MF	850	115	1020	38.5	10-3/4	273	6-7/8	175	8	203	1.0	24	17,18,22,37	
34R	734RMF	850	115	1020	38.5	10-3/4	273	6-7/8	175	8	203	1.0	24	17,18,22,37	
35	735MF	625	95	775	35.5	9-3/4	248	6-7/8	175	8-7/8	225	1.0	24	17,22	
47 (HS)	9AGM47	600	100	690	39	9-1/2	242	6-7/8	175	7-1/2	190	1.0	24	13,17,22	
48 (H6)	9AGM48	760	120	875	45.5	11	278	6-7/8	175	7-1/2	190	1.0	24	13,17,22	
48 (H6)	740MF	730	120	895	42.5	11	278	6-7/8	175	7-1/2	190	1.0	24	17,22,26	
49 (H8)	9AGM49	850	170	975	58.5	13-1/8	354	6-7/8	175	7-1/2	190	1.0	24	13,17,22	
65	765MF	750	140	985	45.5	12	305	7-3/8	187	7-3/8	194	1.0	24	17,22	
75	775MF	690	90	820	34.5	9-3/4	248	7	178	7-1/4	184	1.0	24	17,22	
78	778MF	850	115	1020	39	10-3/4	273	6-7/8	175	7-1/4	184	1.0	24	17,22	
79	779MF	840	140	1000	43	12-1/8	307	7-1/8	179	7-3/8	188	1.0	24	22	
86	786MF	690	90	820	35	9	229	6-7/8	175	8-1/8	206	1.0	24	22	
94R (H7)	9AGM94R	800	140	920	51.5	12-7/16	315	6-7/8	175	7-1/2	190	1.0	24	13,17,22	
95R (H9)	9AGM95R	890	180	1090	64.5	15-1/2	394	6-7/8	175	7-1/2	190	1.0	24	13,17,22	
12-VOLT PREMIUM / AGM TECHNOLOGY															
					WET	in	mm	in	mm	in	mm				
75RB	675DT	650	85	800	33	9-3/4	248	7	178	6-1/8	206	1.0	18	14,15,17,18,22,37	
	678DT	540	85	670	32	9-3/4	248	7	178	6-1/8	206	1.0	18	14,16,17,18,22,37	
347B	578DT	690	110	820	36.5	10-3/4	273	6-7/8	175	8	203	1.0	18	14,16,17,18,22,37	
	578DT	550	90	690	33.5	10-3/4	273	6-7/8	175	8	203	1.0	18	14,16,17,18,22,37	
24	624MF	675	115	830	40	10-3/4	273	6-3/4	171	9	229	1.0	18	17,22	
	524MF	550	90	650	36.5	10-3/4	273	6-3/4	171	9	229	1.0	18	17,22	
	424MF	460	70	575	34.5	10-3/4	273	6-3/4	171	9	229	1.0	12	17,22	
24F	624FMF	675	115	830	40	10-3/4	273	6-3/4	171	9	229	1.0	18	17,22	
	524FMF	550	90	650	36.5	10-3/4	273	6-3/4	171	9	229	1.0	18	17,22	
	424FMF	460	70	575	34.5	10-3/4	273	6-3/4	171	9	229	1.0	12	17,22	
25	525MF	550	90	675	33.5	9-3/4	248	6-7/8	175	8-7/8	225	1.0	18	17,22	
26	526MF	540	80	665	28.5	8-3/4	222	6-3/4	171	8	203	1.0	16	17,18,22,37	
	426MF	450	55	560	27	8-3/4	222	6-3/4	171	8	203	1.0	16	17,18,22,37	
26R	526RMF	540	80	665	29.5	8-3/4	222	6-3/4	171	8	203	1.0	12	17,18,22,37	
	426RMF	450	55	560	27	8-3/4	222	6-3/4	171	8	203	1.0	12	17,18,22,37	
27	627MF	710	120	860	45.5	12	304	6-3/4	171	9	229	1.0	18	21	
27F	627FMF	710	120	860	45.5	12-3/8	314	6-3/4	171	9	229	1.0	18	21	
34	634MF	690	110	820	36.5	10-3/4	273	6-7/8	175	8	203	1.0	18	17,18,22,37	
	534MF	550	90	690	33.5	10-3/4	273	6-7/8	175	8	203	1.0	18	17,18,22,37	
34R	634RMF	690	110	820	36.5	10-3/4	273	6-7/8	175	8	203	1.0	18	17,18,22,37	
35	535MF	550	90	675	33.5	9-3/4	248	6-7/8	175	8-7/8	225	1.0	18	17,22	
36R	636RMF	650	120	800	42	10-1/4	260	7-1/4	184	8	203	1.0	18		
40R (TG)	640RME	650	108	810	37	11	278	6-7/8	175	6-7/8	175	1.0	18	17,22,26	
41	641MF	650	100	800	38	11-1/4	293	6-7/8	175	6-7/8	175	1.0	18	22	
42	642MF	580	75	725	31.5	10	254	7-1/4	184	6-7/8	175	1.0	18	17,22	
42	642MF	580	75	725	31.5	10	254	7-1/4	184	6-7/8	175	1.0	18	17,22	
42	642MF	580	75	725	31.5	10	254	7-1/4	184	6-7/8	175	1.0	18	17,22	
42	642MF	580	75	725	31.5	10	254	7-1/4	184	6-7/8	175	1.0	18	17,22	
45	545MF	485	65	600	30.5	9-3/8	238	5-1/2	140	5	127	1.0	18		
47 (H5)	647MF	600	85	750	37.5	9-1/2	242	6-7/8	175	7-1/2	190	1.0	18	17,22,26	
48 (H6)	648MF	660	120	850	42	11	278	6-7/8	175	7-1/2	190	1.0	18	17,22,26	
49 (H8)	649MF	500	165	1080	54.5	13-3/8	354	6-7/8	175	7-1/2	190	1.0	18	17,22,26	
50	650MF	600	106	750	43	13-3/8	340	5-3/8	136	8-7/8	225	1.0	18	17	
51	551MF	450	70	500	28	8-3/8	238	5	127	8-3/4	222	1.0	18	22	
51R	651RMF	500	75	600	28.5	8-3/8	238	5	127	8-3/4	222	1.0	18	22	
	551RMF	450	70	500	28	8-3/8	238	5	127	8-3/4	222	1.0	18	22	
55	655MF	570	90	705	32	8-3/4	222	6	152	8-1/2	216	1.0	18	17,18	
	658MF	580	85	725	31.5	10	254	7-1/4	184	6-7/8	175	1.0	18	17,22	
58	658MF	580	75	630	29	10	254	7-1/4	184	6-7/8	175	1.0	18	17,22	
58R	658RMF	580	85	725	31.5	10	254	7-1/4	184	6-7/8	175	1.0	18	17,22	
59	659MF	590	100	700	37	9-1/2	241	7-3/8	169	7-1/2	190	1.0	18	17	

GROUP NO.	PART NO.	PERFORMANCE LEVEL			WEIGHT (lbs)	MAXIMUM OVERALL DIMENSIONS				Core Value	WARRANTY		FOOTNOTES	
		CCA	R.C.	REF. CA		LENGTH		HEIGHT			FREE MONTHS			
						in	mm	in	mm					
<b>12-VOLT PREMIUM/AGM TECHNOLOGY</b>														
64	664MF	620	100	770	41.5	13-3/4	298	6-1/4	159	8-7/8	225	1.0	18	
65	665MF	875	150	1035	46.5							1.0	18	17,22
	665MF	675	130	890	41	12	305	7-3/8	187	7-5/8	194	1.0	18	17,22
70	670MF	640	80	965	28.5	8-3/4	222	7	178	7-1/4	181	1.0	18	17,18,22,37
75	675MF	650	85	900	33	9-3/4	248	7	178	7-1/4	184	1.0	18	17,22
	675MF	540	85	670	32							1.0	18	17,22
78	678MF	690	110	920	36.5	10-3/4	273	6-7/8	175	7-1/4	184	1.0	18	17,22
	678MF	550	90	690	33.5							1.0	18	17,22
85	685MF	600	110	775	35.5	9	229	6-7/8	175	8-1/8	206	1.0	18	22
88	688MF	540	85	675	32	9	229	6-7/8	175	8-1/8	206	1.0	18	22
90	690MF	600	90	745	32.5	9-8/16	242	5-7/8	175	6-7/8	175	1.0	18	17,22,26
91 (16)	691MF	700	100	875	38.5	11	278	5-7/8	175	6-7/8	175	1.0	18	17,22,26
92 (17)	692MF	600	130	780	37	12-1/2	317	6-7/8	175	6-7/8	175	1.0	18	17,22,26
93 (18)	693MF	800	150	960	46.5	13-1/2	354	6-7/8	175	6-7/8	175	1.0	18	17,22,26
94R (H7)	694RMF	765	105	910	47.5	12-7/16	315	6-7/8	175	7-1/8	190	1.0	18	17,22,26
95R (H8)	695RMF	650	180	1020	52.5	15-1/2	394	6-7/8	175	7-1/2	190	1.0	18	17,22,26
96R	696RMF	800	90	745	32.5	9-3/16	242	6-7/8	175	6-7/8	175	1.0	18	17,22,26
97R (H5)	697RMF	600	85	750	37.5	9-9/16	242	6-7/8	175	7-1/2	180	1.0	18	17,22,26
101	6101MF	650	110	810	38	10-1/4	260	7-1/4	178	6-11/16	170	1.0	18	22
121R	6121RMF	540	80	665	30	8-1/4	210	6-15/16	177	8-1/8	206	1.0	18	22
124R	6124RMF	670	100	810	38	10-1/4	260	6-1/2	175	8-3/8	212	1.0	18	22
151R	6151RMF	330	55	440	18	7-1/4	184	4-15/16	125	8-3/4	222	1.0	18	17,22
181R	6181RMF	320	48	400	25	7-3/4	187	5-1/2	130	7-1/4	184	0.5	18	2,13,22,38,39
<b>12-VOLT VALUE LINE MAINTENANCE-FREE</b>														
150RB	VL75DT	475	80	580	32	8-3/4	248	7	174	8-1/8	206	1.0	6	14,16,17,22
347RB	VL78DT	525	80	650	32	10-3/8	273	6-7/8	175	8	203	1.0	6	14,16,17,22
24	VL24	440	70	550	34	10-3/4	273	6-3/4	171	9	228	1.0	6	17,22
24F	VL24F	440	70	550	34	10-3/4	273	6-3/4	171	9	228	1.0	6	17,22
26	VL26	430	55	550	26	8-3/4	222	6-3/4	171	8	203	1.0	6	17,22
26R	VL26R	440	55	550	26	8-3/4	222	6-3/4	171	8	203	1.0	6	17,22
50	VL50	440	70	550	27.5	10	254	7-1/4	164	7	178	1.0	6	17,22
65	VL65	650	120	865	36.5	12	305	7-3/8	187	7-5/8	194	1.0	6	17,22
91	VL91	650	130	800	49.5	13	330	6-3/4	171	9-1/2	241	1.5	6	18,22,X
31P	VL31P	650	130	800	49.5	13	330	6-3/4	171	9-1/2	241	1.5	6	18,22
<b>12-VOLT VINTAGE VEHICLES &amp; LIGHT COMMERCIAL</b>														
3EE	403E	400	85	485	42	19-1/4	489	4-1/4	108	9	228	1.0	12	11,25
22NF	See page 2, Lawn Mower - Garden Tractor - Small Engine section.													
29NF	429NF	390	90	465	41	12-7/8	327	5-1/2	140	8	228	1.0	12	11,15,25
53	353	280	62	360	32.5	13	330	4-3/4	121	8-3/8	213	1.0	12	11,15,25
<b>12-VOLT LIGHT TRUCK - OLDER MODEL PASSENGER CARS</b>														
2E	402E	620	190	750	42	19-1/4	489	4	102	8-1/8	225	1.0	12	11,15,25
19L	319L	440	120	560	26	8-3/4	210	6-3/4	171	7-1/2	191	1.0	12	11,15,25
<b>12-VOLT COMMERCIAL SERVICE</b>														
1	1601	620	102	650	31.5	8-3/8	225	6-3/4	171	8-7/8	225	1.0	12	12,26
<b>12-VOLT HEAVY-DUTY COMMERCIAL SERVICE</b>														
1	901MF	640	130	800	39	9	229	6-5/8	175	6-3/4	222	1.0	12	21,26
2	902	760	200	940	36.5	10-3/8	294	6-7/8	175	8-3/4	222	1.0	12	21,26
3EH	93EH	875	250	1035	47.5	19-1/4	489	4-1/4	108	10	254	1.0	12	21,26
4	904MF	975	250	1170	47	12-1/2	318	6-3/8	175	9-1/2	241	1.5	12	21,26
5D	905D	660	250	1100	50	13-3/8	340	7-1/8	181	9-1/4	235	1.5	12	21,26
<b>12-VOLT HEAVY-DUTY COMMERCIAL SERVICE</b>														
3EF	93EF	500	120	625	40	18-3/4	463	4-1/4	108	9-7/8	261	1.0	12	12,26
4D	904D	1050	290	1200	59.5	20-3/4	527	8-1/2	216	10-1/8	258	3.0	12	12,17,25
4DLT	904DLT	650	240	1005	40	20	508	8-1/8	206	8-3/8	250	2.0	12	12,19,25
8D	908DF	1425	440	1730	52							4.0	12	12,17,21,22
	908D	1400	430	1700	52	20-3/4	527	11	279	10	264	4.0	12	12,17,25
	788D	1100	325	1340	37.5							4.0	12	12,17,25
17FF	917FF	630	140	630	38.5	17	432	6-7/8	175	8	203	1.5	12	11,15,19,25
	928MF	650	100	685	41.5	10-1/4	268	6-3/8	171	9-1/2	241	1.0	12	21,22,X
28	928MF	650	100	685	41.5	10-1/4	268	6-3/8	171	9-1/2	241	1.5	12	10,21,22
30H	930H	850	150	800	51	13	330	6-3/4	171	9-1/2	241	1.5	12	10,21,22
	1231MF	1000	385	1160	58							1.5	18	17,19,21,22,X
	1131MF	850	175	940	54.5	13	330	6-3/4	171	9-1/2	241	1.5	18	17,19,21,22,X
	1031MF	760	170	810	51							1.5	18	17,19,21,22,X
	821MF	650	150	810	51							1.5	18	17,19,21,22
31P	1231PMF	1000	385	1160	58							1.5	18	17,19,21,22
	1131PMF	850	175	940	54.5	13	330	6-3/4	171	9-1/2	241	1.5	18	17,19,21,22
	1031PMF	760	170	810	51							1.5	18	17,19,21,22
831PMF	650	150	810	51							1.5	18	17,19,21,22	
<b>12-VOLT HEAVY-DUTY COMMERCIAL SEVERE SERVICE DUAL PURPOSE</b>														
31	7131	730	190	840	62.5							1.5	18	19,21,22,43,X
31P	7131P	730	190	840	62.5	13	330	6-3/4	171	9-1/2	241	1.5	18	19,21,22,43
31	DP31CS	700	185	875	57							1.5	18	19,21,22,43,X
<b>12-VOLT HEAVY-DUTY COMMERCIAL - AGM - DEEP CYCLE STARTING</b>														
31	8A31	800	200	1000	69	13	330	6-3/4	171	8-1/2	241	1.5	12	2,13,17,38,39,X
<b>12-VOLT LAWN MOWER - GARDEN TRACTOR - SMALL ENGINE CALCIUM MAINTENANCE-FREE</b>														
U1	11U1L	350	—	410	19							0.5	6	22,Z
	10U1L	300	—	305	17	7-3/4	197	5-1/8	130	7-1/4	184	0.5	6	22,Z
	8U1L	250	—	275	15.5							0.5	6	22,Z
	7U1L	195	—	235	15							0.5	6	22,Z
U1R	10U1R	300	—	305	17	7-3/4	197	5-1/8	130	7-1/4	184	0.5	6	22,Y
	8U1R	230	—	275	15.5							0.5	6	22,Y
	7U1R	195	—	235	15							0.5	6	22,Y
U1L = left front positive; U1R = right front positive (with terminal side of battery in front)														
22F	922FMP	425	65	500	29.6	8-3/4	238	6-1/4	171	8-1/4	210	1.0	6	
22NF	922NF	360	58	430	29	9-5/8	238	5-1/2	140	8	22R	0.5	6	12

GROUP NO.	PART NO.	PERFORMANCE LEVEL			WEIGHT (lbs)		LENGTH		WIDTH		HEIGHT		Core Value	WARRANTY FREE MO.	FOOTNOTES	
		CCA	R.C.	REF. MCA	WET	DRY	in	mm	in	mm	in	mm				
<b>12VOLT MARINE / RV STARTING / CALCIUM MAINTENANCE FREE</b>																
24	24M7	800	130	1000	44							1.0	12	17.22.U		
	24M6	875	115	820	40						1.0	12	17.22.U			
	24M5	550	90	550	36.5		10-3/4	273	6-3/4	171	9-3/8	238	1.0	12	17.22.U	
	24M4	460	70	575	34.5							1.0	12	17.22.U		
27	27M6	800	182	1050	56		12-1/2	318	6-3/4	171	9-3/8	238	1.0	12	17.U	
<b>12VOLT MARINE / RV DUAL PURPOSE STARTING / CYCLE SERVICE</b>																
24	DP24	550	685	180	120	65	42	10-3/4	273	6-3/4	171	9-3/8	238	1.0	12	12.17.U
27	DP27	650	810	175	100	80	49	12-1/2	318	6-3/4	171	9-3/8	238	1.0	12	12.17.U
31	DP31DT	700	875	205	185	100	57	13	330	6-3/4	171	9-3/8	241	1.5	12	11.17.21.22.U
<b>12VOLT MARINE / RV DEEP CYCLE SERVICE</b>																
24	DC24	500	625	150	130	75	45	10-3/4	273	6-3/4	171	9-3/8	238	1.0	12	11.17.35.U
27	DC27	575	715	200	175	90	53	12-1/2	318	6-3/4	171	9-3/8	238	1.0	12	11.17.35.U
31	DC31UF	630	810	225	185	105	59	13	350	6-3/4	171	9-3/8	241	1.5	12	11.17.21.22.35.U
Note: The three "DC" deep cycle part numbers above include double insulated glass mat separators.																
<b>12VOLT MARINE AND INDUSTRIAL</b>																
88T	8V195	990	1170	170	166	90	20-3/4	527	7-1/4	184	10-3/8	270	2.0	6	11.15.17.25	
983	819	518	610	167	198	119	24-1/2	622	7-1/2	191	10-1/2	267	3.0	6	11.17.20.25.35.F	
984	821	530	635	187	177	135	27-1/2	699	7-1/2	191	10-1/2	267	3.0	6	11.17.20.25.35.F	
985	825	730	870	224	212	180	26-7/8	683	8-1/2	216	11-3/4	298	4.0	6	11.17.20.25.35.F	
<b>ORGANANCE</b>																
24N	See page 4, Dry Charged Ordnance Batteries															
46N	See page 4, Dry Charged Ordnance Batteries															
61L	61MF	750	230	120	73			11-1/4	288	10-1/2	287	3	229	2.8	8	6.17.21.25
<b>12VOLT FLOOR SCRUBBER AND SWEEPER</b>																
901	9C11	250	210	130	73			11-3/4	298	7	178	11-1/2	292	1.5	6	4.11.17.19.25.34.V
	9C11	235	190	120	66.5									1.5	6	4.11.17.19.25.34.V
902	9C6V	330	270	170	87.5			11-3/4	298	7	178	14-3/8	365	2.0	6	4.11.17.19.25.34.V
903	8L16	370	295	190	113			11-3/4	298	7	178	16-1/2	419	2.5	6	4.11.17.19.25.34.V
<b>12VOLT FLOOR SCRUBBER AND SWEEPER</b>																
921	9C12	228	180	115	127			15-1/2	394	7	178	14-1/4	362	3.0	6	11.17.25.34.V
	9C12	195	160	90	116									3.0	6	11.17.25.34.V
<b>12VOLT GOLF CAR / MOTIVE POWER / DEEP CYCLE SERVICE</b>																
GC2	GC25	235	188	132	488	68								1.5	6	4.11.36.U
	GC15	230	174	129	448	64		10-1/4	260	7-1/8	181	10-7/8	276	1.5	6	4.11.36.U
	GC10	215	157	105	395	60.5								1.5	6	11.36.U
GC2H	GC45	255	203	145	530	77		10-1/4	260	7-1/8	181	11-7/8	302	1.5	6	4.11.36.U
GC8	GC8V	165	130	85	121	318	68	10-1/4	260	7-1/8	181	11-1/8	283	1.5	6	4.11.36.G
	GC12V	165	130	85	121	318	68	10-1/4	260	7-1/8	181	11-3/8	289	1.5	6	7.11.O
<b>12VOLT GOLF CAR STARTING BATTERY</b>																
For gas engine golf cars with 1881 terminal																
24Z6	426G	450	55	560	26			6-3/4	222	6-3/4	171	8	203	1.0	6	17.22.G
<b>AGM VALVE REGULATED</b>																
U1	8AU1	200	240	48	54	32	24	7-3/4	197	5-1/8	138	7-1/8	184	0.5	3	2.38.39.Y
	8AU1H	200	240	48	54	32	24	8-3/8	211	5-1/8	138	7-1/8	184	0.5	3	2.17.38.39.Y
22NF	8A22NF	350	420	85	95	55	39	9-3/8	238	5-1/2	140	9-1/4	235	0.5	3	2.38.39.G
24M	8A24M	525	800	135	145	79	53	10-1/8	276	6-3/4	171	9-7/8	251	1.0	12	2.17.38.39.U
24	8A24	325	800	135	145	79	53	10-1/8	276	6-3/4	171	9-7/8	251	1.0	12	2.17.38.39.G
	8A24NH	325	800	135	145	79	53	10-1/8	276	6-3/4	171	9-7/8	251	1.0	12	2.17.38.39.U
27M	8A27M	580	900	175	185	82	63	12-3/4	324	6-3/4	171	9-7/8	251	1.0	12	2.17.38.39.G
27	8A27	580	900	175	185	82	63	12-3/4	324	6-3/4	171	9-7/8	251	1.0	12	2.17.38.39.U
31M	8A31DTM	800	1000	200	210	105	69	12-3/8	324	6-3/4	171	9-3/8	238	1.5	12	2.16.17.28.30.U
4D	8A4D	1110	1420	360	413	195	120	20-3/4	527	7-1/2	216	10	254	3.0	12	2.17
8D	8A8D	1450	1800	480	517	245	158	20-3/4	527	7-1/2	216	10	254	4.0	12	2.17
GC2	8AGC2	680	900	380	409	190	70	10-1/4	260	7-1/8	181	10-7/8	276	1.5	3	2.U
<b>AGM VALVE REGULATED</b>																
U1	8GU1	200	290	44	47	31.6	23	7-3/4	197	5-1/8	138	7-1/8	184	0.5	3	4.38.39.Y
	8GU1H	200	290	44	47	31.6	23	8-3/8	211	5-1/8	138	7-1/8	184	0.5	3	4.17.38.39.Y
22NF	8G22NF	210	300	77	82	54	37	9-3/8	238	5-1/2	140	9-1/4	235	0.5	3	4.38.39.G
24M	8G24M	410	575	132	140	73.6	52	10-7/8	276	6-3/4	171	9-7/8	251	1.0	12	4.17.38.39.U
24	8G24	335	470	132	140	73.6	52	10-7/8	276	6-3/4	171	9-7/8	251	1.0	12	4.17.38.39.G
	8G24NH	335	470	132	140	73.6	52	10-7/8	276	6-3/4	171	9-7/8	251	1.0	12	4.17.38.39.U
	8G24SS	335	470	132	140	73.6	52	10-7/8	276	6-3/4	171	9-7/8	251	1.0	12	4.17.38.39.G
27M	8G27M	505	700	160	170	88	63	12-3/4	324	6-3/4	171	9-7/8	251	1.0	12	4.17.38.39.U
27	8G27	400	550	160	170	88	63	12-3/4	324	6-3/4	171	9-7/8	251	1.0	12	4.17.38.39.G
	8G27/1876	400	550	160	170	88	63	12-3/4	324	6-3/4	171	9-1/2	235	1.0	12	4.17.38.39.B
30H	8G30H	450	640	180	190	97.6	70	12-15/16	329	6-3/4	171	9-3/4	248	1.5	12	4.17.38.39.B
31M	8G31DTM	550	780	180	190	97.6	70	12-15/16	329	6-3/4	171	9-3/8	238	1.5	12	4.16.17.58.39.U
31	8G31	450	640	180	190	97.6	70	12-15/16	329	6-3/4	171	9-3/8	238	1.5	12	4.17.38.39.X
34R	8G34R	300	420	90	96	60	39	10-3/16	259	6-5/8	163	7	178	1.0	12	4.38.39.C
	8G40C	225	305	59	63	40	32	7-3/4	197	6-5/8	168	6-7/8	175	0.5	3	4.38.39.C
4D	8G4D	870	1245	375	395	183	127	20-3/4	527	8-1/2	216	10	294	3.0	12	4.17.38.39
8D	8G8D	1150	1470	475	500	225	157	20-3/4	527	8-1/2	216	10	294	4.0	12	4.17.38.39
GC2	8GGC2	585	850	345	375	180	68	10-1/4	260	7-1/8	181	10-7/8	276	1.5	3	4.17.38.39.U
GC8	8GBVGC	400	575	250	270	140	70	10-1/4	260	7-1/8	181	10-7/8	276	1.5	3	4.U

GROUP NO.	PART NO.	PERFORMANCE LEVEL			WEIGHT		LENGTH		WIDTH		HEIGHT		Core Value	WARRANTY FREE MONTHS	FOOTNOTES	
		CCA	10 HR CAPACITY		KGS	LBS	in	mm	in	mm	in	mm				
<b>POWER SPORTS AGM VALVE REGULATED</b>																
	ETX9	120	8		3.2	7.1	5-7/8	150	3-7/16	88	4-3/16	106	0.2	3	2,38,39	
	ETX12	180	10		4.3	9.4	5-7/8	150	3-7/16	88	5-1/8	130	0.2	3	2,38,39	
	ETX14	220	12		5.4	12	5-7/8	150	3-7/16	88	5-3/4	145	0.2	3	2,38,39,42,75	
	ETX14L	220	12		5.4	12	5-7/8	150	3-7/16	88	5-3/4	145	0.2	3	2,38,39	
	ETX15	220	14		5	11	5-1/4	134	3-1/2	90	6-3/16	166	0.2	3	2,38,39,42,70	
	ETX15L	220	14		5	11	5-1/4	134	3-1/2	90	6-3/16	166	0.2	3	2,38,39	
	ETX16	325	19		7.7	17	6-7/8	175	4	100	6-1/8	155	0.2	3	2,38,39,42,74	
	ETX16L	325	19		7.7	17	6-7/8	175	4	100	6-1/8	155	0.2	3	2,38,39,42,74	
	ETX18L	340	20		8.2	18	6-1/8	206	3-1/16	81	6-3/8	163	0.2	3	2,38,39	
	ETX20L	310	17.5		7	15.5	6-7/8	175	3-7/16	83	6-1/8	155	0.2	3	2,38,39	
	ETX30L	400	26		9.8	21.7	6-5/8	168	5-3/16	131	6-7/8	175	0.2	3	2,38,39	
	ETX30LA	400	26		9.8	21.7	6-5/8	168	5-3/16	131	7-3/4	197	0.2	3	2,38,39,78	
<b>DRY CHARGED ORNANCE BATTERIES</b>																
GROUP NO.	PART NO.	PERFORMANCE LEVEL			VOLTS	WEIGHT		LENGTH		WIDTH		HEIGHT		Core Value	WARRANTY FREE MONTHS	FOOTNOTES
		CCA	RES. CAP.	REF. CA		DRY	in	mm	in	mm	in	mm				
24	624MPD	675	115	850	12	26	10-3/4	273	6-3/4	171	9	229	1.0	18	17,23	
2D	904DY	1050	290	1260	12	58	20-3/4	527	8-1/2	218	10-1/16	258	3.0	12	12,17,23,25	
3D	908DY	1400	430	1700	12	80	20-3/4	527	11	279	10	254	4.0	12	12,17,23,25	
31	1231MPD	1000	185	1190	12	43	13	330	6-3/4	171	9-1/2	241	1.5	18	19,21,22,23,X	
U1	8U1LD	230		275	12	10.5	7-3/4	197	5-1/8	130	7-1/4	184	0.5	6	8,22,23,Z	
UTR	8U1RD	230		275	12	10.5	7-3/4	197	5-1/8	130	7-1/4	184	0.5	6	8,22,23,Y	
<b>DRY CHARGED ORNANCE BATTERIES</b>																
GROUP NO.	PART NO.	PERFORMANCE LEVEL			VOLTS	WEIGHT		LENGTH		WIDTH		HEIGHT		Core Value	WARRANTY FREE MONTHS	FOOTNOTES
		CCA	RES. CAP.	REF. CA		DRY	in	mm	in	mm	in	mm				
2HN	2HND	400	75	45	12	25	10-1/4	260	5-1/4	153	9	229	1.0	6	17,21,25,32	
4HN	4HND	235	28	21	24	27.5	10-1/4	260	5-1/4	153	9	226	1.0	6	11,17,21,25,32	
6TL	6TMD	750	230	120	12	52	11-1/4	286	10-1/2	267	9	229	2.0	6	6,17,21,25	



- B. Flag terminal w/ 3/8" diameter hole (T876)  
 C. 1/4" x 20 Copper Insert Terminal  
 F. Double Wide L Terminal w/ two 3/8" holes  
 G. Offset post w/ horizontal hole, stainless steel 5/16" bolt and hex nut (T881)

- O. Offset post w/ vertical stainless steel 5/16" stud and hex nut (T872)  
 T. Heavy Duty L terminal w/ 3/8" diameter hole (T975)  
 U. Molded-in offset SAE post and vertical 5/16" NEG, 5/16" POS, stainless steel studs & hex nuts

- V. Molded-in offset SAE post and vertical 5/16" NEG, 5/16" POS, stainless steel studs  
 W. "L" type terminal w/ 5/16" diameter hole (T892)  
 X. 3/8" x 16 stainless steel stud posts  
 Y. Small L terminal with round holes  
 Z. Small L terminal with square holes

- All batteries are maintenance-free calcium grids except where noted
- All batteries manufactured in polypropylene cases and covers except where noted
- All batteries manufactured in black case and black cover except where noted
- All batteries, except Power Sports, have SAE automotive post unless noted
- Warranty is suggested months
- All weights are approximate weight
- NCA and CA ratings @ 32°F for comparison only
- All ratings except CCA and RC are "nominal"
- Ratings conform to B.C.L. specifications

**FOOTNOTES**

- Black cover / Gray case
- Gray cover / Gray case
- Black cover / Brown Case
- Dark blue cover / Dark blue case
- Dry charged batteries have black covers & white cases
- Low maintenance-low animony grids
- Hybrid construction
- Absorbed Glass Mat technology
- Conterline terminal posts
- Hard rubber, one-piece cover construction

- Dual terminal universal design
- Includes handle
- Includes top adapter
- Includes filling ledges
- Hard rubber, multi-cell cover construction
- Anchor lock elements
- Flush manifold vented cover
- Up in 10% reduced capacity
- With individual vent caps
- Venting Elbow Supplied
- Available dry charged only
- Recharge ability 18 cycles
- Derated 15% from CCA and CA rating shown to allow for double insulation (glass mat)
- Peak performance capacity
- For height with adaptor odd 7/8" (22mm)
- "Non-spillable" defined by DOT (Department of Transportation) definitions
- "Non-spillable" defined by ICAO (International Civil Aviation Organization) and IATA (International Air Transport Association) definitions
- Height without adaptor
- Warranty is 12 months in deep cycle service
- Shipped with 20mm adaptor
- Shipped with two (2) 17mm adaptors
- Shipped with 10mm adaptor
- Shipped with 22mm height adaptor



Calculations based on EXIDE's  
 DISTRIBUTOR PRICE SHEET  
 Dated May 15, 2012

BCI Group Size	Part # Effective 10/01/2012	Cranking Amps at 0° F	Cranking Amps at 32° F	RC Minutes @ 25 Amps	Battery Weight (LBS.)
<b>EXIDE® NorthStar® Pure Lead AGM AUTOMOTIVE BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
24	PL-AGM24	840	1000	160	58
27	PL-AGM27	930	1110	195	68
34	PL-AGM34	880	1050	133	50
35	PL-AGM35	740	880	115	48
65	PL-AGM65	930	1070	135	55
78	PL-AGM78	890	1050	133	50
78DT	PL-AGM3478	890	1050	133	50
<b>EXIDE® NorthStar® Pure Lead AGM Automotive Deep Cycle Batteries - Maintenance Free - 12 VOLT</b>					
34M	PL-AGM34M	880	1050	133	50
65M	PL-AGM65M	930	1070	135	55
<b>EXIDE® NorthStar® Pure Lead AGM Marine Batteries - Maintenance Free - 12 VOLT</b>					
24M	PL-AGM24M	840	1000	160	58
27M	PL-AGM27M	930	1110	195	68
31M	PL-AGM31M	1150	1370	220	76
<b>EXIDE® NorthStar® PURE LEAD AGM HEAVY DUTY TRUCK BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
31	PL-AGM31	1150	1370	205	76
<b>EXIDE® EDGE FLAT-PLATE/AGM SEALED AUTOMOTIVE BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
24	FP-AGM24	710	850	120	46.2
24F	FP-AGM24F	710	850	120	46.2
25	FP-AGM25	650	780	110	41.2
34	FP-AGM34	770	925	120	45.9
35	FP-AGM35	650	780	110	41.2
51	FP-AGM51	440	530	75	33.0
51R	FP-AGM51R	440	530	75	33.0
S46B24R	FP-AGM51JIS	440	530	75	32.9
65	FP-AGM65	760	910	140	51.7
78	FP-AGM78	770	925	120	46.6
L4/94R	FP-AGM L4/94R	800	960	140	53.3
L5/49	FP-AGM L5/49	850	1020	160	59.8
<b>EXIDE® AGM AUXILIARY AUTOMOTIVE BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
14AUX		170	200	20	12
<b>EXIDE® SELECT ORBITAL® SEALED VRLA (AGM) AUTOMOTIVE BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
75DT	75DTORB	750	900	80	38
78DT	78DTORB	800	950	95	36
<b>EXIDE® SELECT ORBITAL® SEALED VRLA (AGM) AUTOMOTIVE BATTERIES - MAINTENANCE FREE - 18 MONTH FREE REPLACEMENT - 12 VOLT</b>					
78DT	78DTXCD	750	900	100	41
<b>EXIDE® GLOBAL EXTREME® WITH SILVER SHIELD TECHNOLOGY AUTOMOTIVE BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
24	24X	800	960	120	45
24F	24FX	800	960	120	45
25	25X	585	700	100	35
26R	26RX	550	660	85	33
27F	27FX	750	900	120	48
35	35X	585	700	100	35
47/H5	L2/47X	650	780	105	38
48/H6	L3/48X	760	910	120	44
49/H8	L5/49X	900	1080	185	56
51	51X	510	610	70	33
51R	51RX	510	610	70	33
91/T6	LB3/91X	700	840	110	42
94R/H7	L4/94RX	790	950	140	50
124R	124RX	700	840	110	41
<b>EXIDE® NASCAR EXTREME® WITH SILVER SHIELD TECHNOLOGY AUTOMOTIVE BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
27	27X	750	900	120	48
34	34X	800	960	120	44
36R	36RX	650	800	95	40
40R	40RX	700	840	110	42
59	59X	590	710	100	38
65	65X	750	900	160	47
75	75X	690	825	100	36
78	78X	770	950	120	45
86	86X	640	770	100	35
78DT	78DTX	690	825	100	36
78DT	78DTX	770	950	120	43

BCI Group Size	Part # Effective 10/01/2012	Cranking Amps at 0° F	Cranking Amps at 32° F	RC Minutes @ 25 Amps	Battery Weight (LBS.)
<b>EXIDE™ NASCAR SELECT™ WITH STABIL-LOK® TECHNOLOGY AUTOMOTIVE BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
24	24S	700	850	120	41
24F	24FS	700	850	120	41
25	25S	570	710	100	32
27	27S	750	900	120	43
27F	27FS	750	900	120	43
34	34S	770	950	120	44
34R	34RS	770	950	120	44
35	35S	570	710	100	32
58	58S	500	600	90	33
65	65S	750	900	130	44
75	75S	630	785	100	34
78	78S	770	950	120	42
75DT	75DTS	630	785	100	36
78DT	78DTS	770	950	120	44
BCI Group Size	Part # Effective 10/01/2012	Cranking Amps at 0° F	Cranking Amps at 32° F	RC Minutes @ 25 Amps	Battery Weight (LBS.)
<b>EXIDE™ CLASSIC AUTOMOTIVE BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
24	24C	585	720	90	36
24F	24FC	585	720	90	36
25	25C	525	630	85	33
26	26C	525	630	80	30
26R	26RC	540	635	80	30
27	27C	700	850	120	43
27F	27FC	700	850	120	43
34	34C	630	785	100	37
35	35C	525	630	85	32
36R	36RC	660	800	95	38
40R	40RC	590	710	100	38
41	41C	675	835	105	40
42	42C	500	600	70	27
45	45C	495	595	80	30
47	47C	600	750	85	30
L2/47	L2/47C	480	575	90	37
48	48C	690	825	110	38
L3/48	L3/48C	690	825	110	44
49	49C	850	1000	140	44
L5/49/H8	L5/49C	800	960	170	55
51	51C	450	525	70	27
51R	51RC	450	525	70	27
56	56C	580	700	90	31
58	58C	540	635	80	32
58R	58RC	580	700	80	32
59	59C	590	710	100	36
64	64C	575	730	110	40
65	65CP	850	1000	160	46
65	65C	650	800	130	40
70	70C	525	630	80	29
75	75CP	690	825	100	33
75	75C	630	785	90	33
78	78C	630	785	100	37
79	79C	880	1000	140	52
85	85C	630	785	90	34
86	86C	630	785	90	33
90	90C	600	720	80	28
91	91C	700	850	100	41
LB4/92/T7	LB4/92C	640	770	130	43
93	93C	800	950	150	45
L4/94RH/7	L4/94RC	730	875	140	49
96R	96RC	590	710	95	33
100	100C	770	950	120	47
101	101C	540	635	115	36
121R	121RC	550	660	90	31
124R	124RC	700	850	110	40
151R	151RC	335	400	45	23
46A21L	MIATAC	320	415	45	25
75DT	75DTC	525	630	85	32
78DT	78DTC	850	1000	120	44
78DT	78DTC	850	800	100	38
<b>EXIDE™ STANDARD AUTOMOTIVE BATTERIES - 12 VOLT</b>					
24	24	525	630	90	33
24F	24F	525	630	90	32
26	26	450	525	80	28
26R	26R	450	525	80	28
56	56	450	525	75	30
58	58	460	560	70	30
75	75	525	630	85	30
75DT	75DT	450	525	70	30

BCI Group Size	Part # Effective 10/01/2012	Cranking Amps at 0° F	Cranking Amps at 32° F	RC Minutes @ 25 Amps	Battery Weight (LBS.)
<b>EXIDE® VINTAGE AUTOMOTIVE BATTERIES - 12 VOLT</b>					
	22NF	390	450	70	27
	29NF	390	450	90	44
<b>EXIDE® AUTOMOTIVE BATTERY - 6 VOLT</b>					
	19L	440	550	120	26
BCI Group Size	Part # Effective 10/01/2012	Cranking Amps at 0° F	Cranking Amps at 32° F	RC Minutes @ 25 Amps	Battery Weight (LBS.)
<b>EXIDE® RoadForce® AGM GROUP 31 BATTERIES - MAINTENANCE FREE® - 12 VOLT</b>					
31	XRF-31D	925	1110	200	72
	XRF-31E	925	1110	200	72
	RF-31D	700	840	200	69
	RF-31E	700	840	200	69
<b>EXIDE® EXTREME™ CYCLER 200 AND EXIDE® EXTREME™ POWER 1000 FEATURING STABIL-LOK™ PLUS GROUP 31 - MAINTENANCE FREE® - 12 VOLT</b>					
31	31HCD	700	840	200	65
	31XPD	1000	1200	200	61
	31XPE	1000	1200	200	61
<b>EXIDE® SELECT PERFORMANCE GROUP 31 BATTERIES - MAINTENANCE FREE® - 12 VOLT</b>					
	31XHD	925	1050	180	55
	31XHE	925	1050	180	55
	31HD	700	840	180	51
	31HE	700	840	180	51
<b>EXIDE® COMMERCIAL SERIES - MAINTENANCE FREE® - 12 VOLT</b>					
31	31D	660	800	160	50
	31E	660	800	160	50
<b>EXIDE® HEAVY DUTY COMMERCIAL SERIES &amp; FARM BATTERIES - 12 VOLT</b>					
	3EE	370	440	100	42
	3ET	460	550	120	47
	4D	1000	1200	320	98
	4DLT	820	970	250	86
8D	8DX	1300	1560	435	125
	8DX (312)	1300	1560	435	125
	8DX (313)	1300	1560	435	125
	8DX (314)	1300	1560	435	125
	8DX (316)	1300	1560	435	125
	8D	1155	1380	400	121
	8D (312)	1155	1380	400	121
	8D (313)	1155	1380	400	121
	8D (314)	1155	1380	400	121
	8D (316)	1155	1380	400	121
	8DD	1155	1380	400	121
	16TF	545	665	210	51
	17TF	530	665	140	44
	30H	700	850	180	52
BCI Group Size	Part # Effective 10/01/2012	Cranking Amps at 0° F	Cranking Amps at 32° F	RC Minutes @ 25 Amps	Battery Weight (LBS.)
<b>EXIDE® HEAVY DUTY COMMERCIAL BATTERIES - 6 VOLT</b>					
	1	625	750	160	27
	2	625	750	150	34
	2E	615	675	180	36
	3EH	850	1020	280	46
	4	975	1170	300	48
	4EH	930	1110	300	51
	5D	850	1020	280	45
	7D	975	1170	330	56
BCI Group Size	Part # Effective 10/01/2012	Cranking Amps at 0° F	Minutes @ 75 Amps to 5.25 V	RC Minutes @ 25 Amps	Battery Weight (LBS.)
<b>EXIDE® FLOOR SCRUBBER &amp; SWEEPER BATTERIES - DEEP CYCLE - 6 &amp; 12 VOLT</b>					
	901		159	570	57
	903		225	810	88
	902		185	715	64
	921		106	398	82
<b>EXIDE® XTRA GOLF CART &amp; ELECTRIC VEHICLE BATTERIES - DEEP CYCLE - 6 &amp; 8 VOLT</b>					
GC-2			145	525	67
			135	480	65
			110	390	60
			110	390	60
GC-8			110 *	290	61
			118 *	320	68
<b>EXIDE® XTRA GAS POWERED GOLF CART STARTING BATTERY - 12 VOLT</b>					
	26G		450 CCA	80 min RC	26

\* Minutes @ 95 amps to 7.0 volts

BCI Group Size	Part # Effective 10/01/2012	Cranking Amps at 0° F	Cranking Amps at 32° F	RC Minutes @ 23 Amps	Battery Weight (LBS.)
<b>EXIDE® CUTTING EDGE® XTRA &amp; SELECT GARDEN TRACTOR &amp; UTILITY BATTERIES - 6 MONTH FREE REPLACEMENT - 12 VOLT</b>					
U1	GT-XHD	350	420	38	20
	GT-X	300	360	34	16
	GT-H	235	280	25	15
	GT	165	200	17	15
U1R	GT-XR	300	360	34	16
	GT-R	235	280	25	15
<b>EXIDE® EDGE FLAT-PLATE® AGM SEALED MARINE BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
24	FP-AGM24DP	775	930	145	51
<b>EXIDE® SELECT ORBITAL® SEALED VRLA (AGM) MARINE BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
34	34MSORB	800	950	95	38
34	34MDCORB	750	935	100	41
<b>EXIDE® MegaCycle® AGM MARINE BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
31	XMC-31	925	1110	200	72
	MC-31	700	840	200	69
<b>EXIDE® NAUTILUS® MARINE STARTING BATTERIES - MAINTENANCE FREE - 12 VOLT</b>					
24	24MSXX	800	1000	115	51
	24MSX	525	650	80	37
	24MS	450	525	65	34
	27	27MSXX	800	1000	180
<b>EXIDE® NAUTILUS® MARINE &amp; RV BATTERIES - DUAL PURPOSE (MARINE STARTING &amp; DEEP CYCLE) - 12 VOLT</b>					
24	24MDP	500	625	120	44
27	27MDP	575	730	160	56
<b>EXIDE® NAUTILUS® MARINE &amp; RV BATTERIES - DEEP CYCLE - 12 VOLT</b>					
24	24MDC	400	500	140	51
27	27MDC	550	675	182	60
31	31MDC	725	900	205	62
4D	4DMDC	600	850	250	102
8D	8DMDC	800	1200	400	136
<b>EXIDE® NAUTILUS® MARINE HEAVY DUTY BATTERIES - COMMERCIAL GRADE - 8 VOLT</b>					
1	B-1	380	430	110	30
984	8VM-AD	800	1000	445	80
985	8VM-GD	950	1200	515	143
981	8VM-D	650	800	305	80
<b>EXIDE® SPECIAL USE DEEP CYCLE AGM - 6 VOLT</b>					
6V27	DC6V-27				77
<b>EXIDE® SPECIAL APPLICATION &amp; UTILITY BATTERY - 12 VOLT</b>					
U1	DC-9	160	200	40	23
<b>EXIDE® SPECIAL USE PREVAILER GEL VRLA - MAINTENANCE FREE - 12 VOLT</b>					
U1	PV-U1	170	200	43	22
22NF	PV-22NF	280	335	85	38
24	PV-24DC	410	490	132	51
27	PV-27DC	490	585	155	60
31	PV-31	655	785	196	72



# STOCKING POWER SPORT PROGRAM

SuperCrank® PART NUMBER		Part # Effective 10/01/2012	REPLACES	Ah Capacity (10 Hr)
<b>EXIDE® SuperCrank® Xtra BATTERIES 12-VOLT FACTORY ACTIVATED / FACTORY SEALED VRLA (AGM) - MAINTENANCE FREE</b>				
SC14FA	SC14FA		16-BS, YB16B-A2, YB16B-A12	12
SC16CLBFA	SC16CLBFA		Exact replacement for 16CL-B	19
SC20HLFA	SC20HLFA		ETX20L or FA20L-BS, FA20HL-BS	18
SC30LFA	SC30LFA		YIX30L	28
<b>SuperCrank® Select</b>				
<b>EXIDE® SUPERCRAK® SELECT BATTERIES 12-VOLT PREMIUM SEALED VRLA (AGM) - MAINTENANCE FREE</b>				
<b>FRESH PACK KIT (battery, acid, hardware, instructions)</b>				
4L-BS	4L-BS			3
5L-BS	5L-BS			4
7A-BS	7A-BS			6
7L-BS	7L-BS			6
9-BS	9-BS			8
12-BS	12-BS			10
14-BS	14-BS			12
14AH-BS	14AH-BS		14A-A2, 14A-A1, 14A-2, 14-B2	12
14AHL-BS	14AHL-BS		14L-A2, 14L-B2, 12N14-3A	12
15L-BS	15L-BS			13
16-BS	16-BS			14
16CL-B-BS	16CL-B-BS		16CL-B	19
16L-BS	16L-BS			14
18L-BS	18L-BS		50L-BS	18
20-BS	20-BS			18
20CH-BS	20H-BS			18
20H-BS	20H-BS			18
20L-BS	20L-BS			18
20HL-BS	20HL-BS			18
24HL-BS	24HL-BS		18L-BS, 50-N18L-A2/3	21
<b>SuperCrank®</b>				
<b>EXIDE® SUPERCRAK® 12-VOLT HIGH PERFORMANCE FLOODED - FRESH PACK KIT (battery, acid, hardware, instructions)</b>				
4L-B	4L-B			4
7C-A	7C-A		12N7C-3D	8
9A-A	9A-A			9
9-B	9-B			9
9L-B	9L-B			9
10A-A2	10A-A2			11
10L-A2	10L-A2			11
10L-B	10L-B			11
12A-A	12A-A			12
12AL-A	12AL-A			12
12C-A	12C-A			12
14-A2	14-A2			14
14A-A2	14A-A2		14A-A1	14
14L-A2	14L-A2			14
16A-AB	16A-AB			16
16AL-A2	16AL-A2			16
16-B	16-B			19
16CL-B	16CL-B			19
16L-B	16L-B		12N16-3B	19
18L-A	18L-A		20-BS	18
50-N18L-A3	50-N18L-A2			20
<b>EXIDE® SUPERCRAK® 6-VOLT CONVENTIONAL FLOODED - FRESH PACK KIT (battery, acid, hardware, instructions)</b>				
6N5.5-1D	6N5.5-1D			5.5
6N6-3B	6N6-3B			6
<b>12-VOLT CONVENTIONAL FLOODED - FRESH PACK KIT (battery, acid, hardware, instructions)</b>				
12N5-4B	12N5-4B			5
12N5.5A-3B	12N5.5A-3B			5.5
12N7-3B	12N7-3B			7
12N7-4A	12N7-4A			7
12N9-4B-1	12N9-4B-1			9
12N12A-4A-1	12N12A-4A-1			12
12N14-3A	12N14-3A			14
HD-12	HD-12			28
Part Number	Part # Effective 10/01/2012	<b>CONTENTS</b>		
<b>MOTORCYCLE HARDWARE REPAIR KIT</b>				
SCK-1000	SCK-1000	Kit: Nuts, Bolts, Spacers, Vent Caps, Water Sensors		
<b>BATTERY ACID</b>				
ACID 32 OZ	ACID 32 OZ	32 oz. Acid Bottle		
ACID 6 QT	ACID 6 QT	6 QT. Acid		
ACID 5 GAL	ACID 5 GAL	5 GAL. Acid		



# SPECIAL ORDER POWER SPORT PROGRAM

PRODUCT IS AVAILABLE ON A SPECIAL ORDER ONLY BASIS

JIS PART NUMBER	Part # Effective 10/01/2012	REPLACES	Ah Cap. (10 Hr.)
<b>12-VOLT FACTORY ACTIVATED / FACTORY SEALED VRLA (AGM) - MAINTENANCE FREE</b>			
T4B-5	T4B-5	4B-BS	2.5
TZ7S	TZ7S		6
T9B-4	T9B-4	9B-4	8
TZ10S	TZ10S	Z10S	8
TZ12S	TZ12S	Z12S	6
<b>6-VOLT CONVENTIONAL FLOODED</b>			
6N2-2A UNV	6N2-2A UNV	6N2-2A/1/2/3/4/5/6/7/8	2
6N2A-2C UNV	6N2A-2C UNV	6N2A-2C/1/3	2
6N4-2A UNV	6N4-2A UNV	6N4-2A/1/2/3/4/5/6/7/8	4
6N4A-4D	6N4A-4D	-	4
6N4B-2A UNV	6N4B-2A UNV	6N4B-2A/1/2/3/4/5	4
6N4C-1B	6N4C-1B	-	4
6N5.5-1D-1	6N5.5-1D-1	-	5.5
6N6-1B	6N6-1B	-	6
6N6-3B-1	6N6-3B-1	-	6
6N6-1D	6N6-1D	-	6
6N6-1D-2	6N6-1D-2	-	6
6CB8L-B	6CB8L-B	-	8
6N11-2D	6N11-2D	-	11
6N11A-1B	6N11A-1B	-	11
6N12A-2D	6N12A-2D	-	12
B39-6	B39-6	-	7
B49-6	B49-6	-	10
<b>12-VOLT CONVENTIONAL FLOODED</b>			
12N5.5-3B	12N5.5-3B	-	5.5
12N5.5-4A	12N5.5-4A	-	5.5
12N7-4B	12N7-4B	-	7
12N9-3A	12N9-3A	-	9
12N11-3A-1	12N11-3A-1	-	11
12N12-3B	12N12-3B	-	12
12N24-3	12N24-3	-	24
12N24-3A	12N24-3A	-	24
2.5L-C	2.5L-C	-	2.5
2.5L-C-1	2.5L-C-1	-	2.5
<b>12-VOLT HIGH PERFORMANCE FLOODED</b>			
3L-A	3L-A	-	3
3L-B	3L-B	-	3
4L-A	4L-A	-	4
5L-B	5L-B	12N5-3B	5
7-A	7-A	12N7-4A	8
7L-B	7L-B	12N7-3B	8
9L-A2	9L-A2	12N9-3A-1	9
10L-B2	10L-B2	-	11
12A-B	12A-B	-	12
12B-B2	12B-B2	-	12
14L-A1	14L-A1	-	14
14-B2	14-B2	-	14
14L-B2	14L-B2	-	14
16B-A	16B-A	-	16
16B-A1	16B-A1	-	16
16C-B	16C-B	-	19
16HL-A-LM	16HL-A-LM	16HL-A-CX	19
18-A	18-A	-	18
50-N18A-A	50-N18A-A	-	20
50-N18L-AT	50-N18L-AT	-	20
50-N18L-A-LM	50-N18L-A-LM	50N18L-A-CX	20
60-N24-A	60-N24-A	60-N24-3	26
60-N24AL-B	60-N24AL-B	-	28
60-N24L-A	60-N24L-A	-	28

Item Availability	Part # Effective 10/01/2012	REPLACES	POST TYPE	A) Capacity (20 Hr)	
<b>12-VOLT JIS FARM, AUTO, TRUCK, GARDEN TRACTOR, GENERATORS, FORKLIFT</b>					
Stock Item	NS40Z (S)	36B20R (S), 32B20R (S), NS40 (S)	SAE Post	36	
Stock Item	NS40Z	36B20R, 32B20R, NS40	Pencil Post	36	
Stock Item	NS40ZL (S)	39B20L (S), 32B20L (S), NS40L (S)	SAE Post	36	
Stock Item	NS40ZL	38B20L, 32B20L, NS40L	Pencil Post	36	
SO	N50	55D26L, 46D26L, N50	SAE Post	60	
Stock Item	NS60L (S)	55B24L (S)	SAE Post	45	
Stock Item	N120	115F51		120	
Stock Item	NS150	145F51	SAE Post	150	
SO	N200	190H52	SAE Post	200	
BCI Group Size	Part # Effective 10/01/2012	Volts	Amp Hour Capacity (20 Hr)	Overall Dimensions Inches	
				Length	Height
<b>EXIDE® POWERFIT® BATTERIES - RECHARGEABLE SEALED LEAD-ACID BATTERIES</b>					
	ES4-6	6	4.0	2-3/4	4
	ES5-6LF	6	5.0	2-5/8	3-3/4
	ES7-6	6	7.0	1-15/16	3-11/16
	ES8-6A	6	8.0	3-7/8	4-5/8
	ES9.5-6TH	6	9.5	4-1/4	5-9/16
	ES10-6	6	10.0	5-15/16	3-11/16
	ES12-6	6	12.0	4-1/4	5-9/16
	ES36-6	6	36.0	6-5/16	6-3/8
	ES1.2-12	12	1.2	3-13/16	2
	ES2-12	12	2.0	7	2-3/8
	ES2-12A	12	2.0	5-7/8	3-1/2
	ES3-12	12	3.0	5-1/4	2-3/8
	ES4.5-12	12	4.5	3-9/16	4
	ES4.5-12WL	12	4.5	3-9/16	4
	ES7-12	12	7.0	5-15/16	3-9/16
	ES7.5-12	12	7.5	5-15/16	3-9/16
	ES12-12	12	12.0	5-15/16	3-9/16
	ES18-12	12	18.0	7-1/8	6-9/16
	ES26-12	12	26.0	6-7/8	4-15/16
U1	ESU1-35	12	35.0	7-11/16	6-1/8
U1	ESU1-35A	12	35.0	7-11/16	6-1/8
	ES40-12	12	40.0	7-3/4	6-11/16
22NF	ES22NF	12	55.0	9	8
24	ES24	12	85.0	10-1/8	8-1/8
27	ES27	12	100.0	12-1/16	8-1/8
<b>SEALED VRLA (GEL) BATTERIES</b>					
BCI Group Size	Part # Effective 10/01/2012	Amp Hour Capacity (20 Hr)	CA AT 32° F	Overall Dimensions Inches	
				Length	Height
<b>EXIDE® DRYFIT® SEALED VRLA (GEL) BATTERIES</b>					
	U1DF	31	175	7-3/4	7-1/8
41	41DF	36	230	8-1/4	6-7/8
40R	40RDF	55	380	10-15/16	6-7/8
49	49DF	63	360	15	7-1/2
30H	30HDF	80	500	13	9-1/2
4DLT	4DLTDF	120	760	20-1/4	8-3/4
4D	4DDF	140	920	20-1/4	8-3/4
8D	8DDF	200	1100	20-3/8	9-1/2
GCH	GCHDF	180	1000	9-5/8	10-7/8



**MATERIAL SAFETY DATA SHEET**

I. PRODUCT IDENTIFICATION		
<b>MANUFACTURER</b> Exide Technologies 13000 Deerfield Parkway, Bldg. 200 Milton, GA 30004	<b>CHEMICAL/TRADE NAME</b> (as used on label)  <b>CHEMICAL FAMILY/ CLASSIFICATION</b>	Lead-Acid Battery  Electric Storage Battery
<b>FOR INFORMATION</b> Primary: MACTEC Engineering and Consulting, Inc. Telephone: (770) 421-3485 Secondary: Environmental, Safety & Health Attention: Eric Murray (800) 523-4622 Fred Ganster (610) 921-4052	<b>DATE ISSUED:</b>	February 1, 2011  Page 1 of 5
<b>FOR EMERGENCY</b> CHEMTREC (800) 424-9300 24-hour Emergency Response Contact Ask for Environmental Coordinator	<b>CHEMTREC INTERNATIONAL (703) 527-3887 – Collect</b>	

II. HAZARDOUS INGREDIENTS/IDENTITY INFORMATION					
		Approximate Air Exposure Limits (µg/m <sup>3</sup> )			
Components	CAS Number	% by Wt.	OSHA	ACGIH	NIOSH
<b>Inorganic compounds of:</b>					
Lead	7439-92-1	54-62	50	50	50
Antimony	7440-36-0	0.4	500	500	500
Tin	7440-31-5	0.16	2000	2000	2000
Calcium	7440-70-2	0.02	-	-	-
Arsenic	7440-38-2	0.01	10	10	2
Electrolyte (sulfuric acid/water/solution)	7664-93-9	26-40	1000	200	1000
<b>Case Material:</b>					
Polypropylene	9003-07-0	5-12	N/A	N/A	N/A
Hard Rubber	-	-	-	-	-
<b>Plate separator material:</b>					
Polyethylene	9002-88-4	1-2	N/A	N/A	N/A

NOTE: Inorganic lead and electrolyte (water and sulfuric acid solution) are the primary components of every battery manufactured by Exide Technologies or its subsidiaries. Other ingredients may be present dependent upon battery type. Polypropylene is the principal case material of automotive and commercial batteries.

III. PHYSICAL DATA - ELECTROLYTE			
Boiling Point	203° F-240° F (for S.G. range)	Specific Gravity (H <sub>2</sub> O=1)	1.230 to 1.350
Melting Point	Not Applicable	Vapor Pressure (mm Hg) 77° F	17 to 11 (for S.G. range)
Solubility in Water	100%	Vapor Density (AIR=1)	Greater than 1
Evaporation Rate (Butyl acetate=1)	Less Than 1	% Volatiles by Weight	Not Applicable
Appearance and Odor	A clear liquid with a sharp, penetrating, pungent odor. A battery is a manufactured article; no apparent odor.		

IV. FIRE AND EXPLOSION HAZARD DATA	
<b>Flash Point:</b>	Not Applicable
<b>Flammable Limits:</b>	LEL = 4.1% (Hydrogen Gas in air) ; UEL = 74.2%
<b>Extinguishing media:</b>	CO <sub>2</sub> ; foam; dry chemical
<b>Special Fire Fighting Procedures:</b> Use positive pressure, self-contained breathing apparatus. Beware of acid splatter during water application and wear acid-resistant clothing, gloves, face and eye protection. If batteries are on charge, shut off power to the charging equipment, but, note that strings of series connected batteries may still pose risk of electric shock even when charging equipment is shut down.	

#### IV. FIRE AND EXPLOSION HAZARD DATA (CONTINUED)

**Unusual Fire and Explosion Hazards:** In operation, batteries generate and release flammable hydrogen gas. They must always be assumed to contain this gas which, if ignited by burning cigarette, naked flame or spark, may cause battery explosion with dispersion of casing fragments and corrosive liquid electrolyte. Carefully follow manufacturer's instructions for installation and service. Keep away all sources of gas ignition and do not allow metallic articles to simultaneously contact the negative and positive terminals of a battery.

#### V. REACTIVITY DATA

**Stability:** Stable   X    
Unstable     

**Conditions to Avoid:** Prolonged overcharge at high current; sources of ignition.

**Incompatibility:** (materials to avoid)

Electrolyte: Contact with combustibles and organic materials may cause fire and explosion. Also reacts violently with strong reducing agents, metals, sulfur trioxide gas, strong oxidizers, and water. Contact with metals may produce toxic sulfur dioxide fumes and may release flammable hydrogen gas.

Lead compounds: Avoid contact with strong acids, bases, halides, halogenates, potassium nitrate, permanganate, peroxides, nascent hydrogen, and reducing agents.

**Hazardous Decomposition Products:**

Electrolyte: Sulfur trioxide, carbon monoxide, sulfuric acid mist, sulfur dioxide, hydrogen sulfide.

Lead compounds: Temperatures above the melting point are likely to produce toxic metal fume, vapor, or dust; contact with strong acid or base or presence of nascent hydrogen may generate highly toxic arsine gas.

#### VI. HEALTH HAZARD DATA

**Routes of Entry:**

Electrolyte: Harmful by all routes of entry.

Lead compounds: Hazardous exposure can occur only when product is heated above the melting point, oxidized or otherwise processed or damaged to create dust, vapor, or fume.

**Inhalation:**

Electrolyte: Breathing of sulfuric acid vapors or mists may cause severe respiratory irritation.

Lead compounds: Inhalation of lead dust or fumes may cause irritation of upper respiratory tract and lungs.

**Ingestion:**

Electrolyte: May cause severe irritation of mouth, throat, esophagus, and stomach.

Lead compounds: Acute ingestion may cause abdominal pain, nausea, vomiting, diarrhea, and severe cramping. This may lead rapidly to systemic toxicity.

**Skin Contact:**

Electrolyte: Severe irritation, burns, and ulceration.

Lead compounds: Not absorbed through the skin.

**Eye Contact:**

Electrolyte: Severe irritation, burns, cornea damage, blindness.

Lead compounds: May cause eye irritation.

**Effects of Overexposure - Acute:**

Electrolyte: Severe skin irritation, damage to cornea may cause blindness, upper respiratory irritation.

Lead compounds: Symptoms of toxicity include headache, fatigue, abdominal pain, loss of appetite, muscular aches and weakness, sleep disturbances, and irritability.

**Effects of Overexposure - Chronic:**

Electrolyte: Possible erosion of tooth enamel; inflammation of nose, throat, and bronchial tubes.

## VI. HEALTH HAZARD DATA (CONTINUED)

**Lead compounds:** Anemia; neuropathy, particularly of the motor nerves, with wrist drop; kidney damage; reproductive changes in both males and females.

### **Carcinogenicity:**

**Electrolyte:** The National Toxicology Program (NTP) and the International Agency for Research on Cancer (IARC) have classified "strong inorganic acid mist containing sulfuric acid" as a substance that is carcinogenic to humans. This classification does not apply to sulfuric acid solutions in static liquid state or to electrolyte in batteries. Batteries subjected to abusive charging at excessively high currents for prolonged periods of time without vent caps in place may create a surrounding atmosphere of the offensive strong inorganic acid mist containing sulfuric acid.

**Lead compounds:** Listed as a 2B carcinogen, likely in animals at extreme doses. Proof of carcinogenicity in humans is lacking at present.

**Arsenic:** Listed by International Agency for Research on Cancer (IARC), OSHA and NIOSH as a carcinogen only after prolonged exposure at high levels.

### **Medical Conditions Generally Aggravated by Exposure:**

Overexposure to sulfuric acid mist may cause lung damage and aggravate pulmonary conditions. Contact of electrolyte (water and sulfuric acid solution) with skin may aggravate skin diseases such as eczema and contact dermatitis. Contact of electrolyte (water and sulfuric acid solution) with eyes may damage cornea and/or cause blindness. Lead and its compounds can aggravate some forms of kidney, liver, and neurologic diseases.

### **Emergency and First Aid Procedures**

**Inhalation:** **Electrolyte:** Remove to fresh air immediately. If breathing is difficult, give oxygen.

**Lead compounds:** Remove from exposure, gargle, wash nose and lips; consult physician.

**Ingestion:** **Electrolyte:** Give large quantities of water; **do not** induce vomiting; consult physician.

**Lead compounds:** Consult physician immediately.

**Skin:** **Electrolyte:** Flush with large amounts of water for at least 15 minutes; remove contaminated clothing completely, including shoes.

**Lead compounds:** Wash immediately with soap and water.

**Eyes:** **Electrolyte and Lead compounds:** Flush immediately with large amounts of water for at least 15 minutes; consult physician immediately.

## VII. PRECAUTIONS FOR SAFE HANDLING AND USE

### **Handling and Storage:**

Store batteries under roof in cool, dry, well-ventilated areas that are separated from incompatible materials and from activities that may create flames, spark, or heat. Store on smooth, impervious surfaces that are provided with measures for liquid containment in the event of electrolyte spills. Keep away from metallic objects that could bridge the terminals on a battery and create a dangerous short-circuit. Handle carefully and avoid tipping, which may allow electrolyte leakage. Single batteries pose no risk of electric shock but there may be increasing risk of electric shock from strings of connected batteries exceeding three 12-volt units.

### **Charging:**

There is a possible risk of electric shock from charging equipment and from strings of series connected batteries, whether or not being charged. Shut-off power to chargers whenever not in use and before detachment of any circuit connections. Batteries being charged will generate and release flammable hydrogen gas. Charging space should be ventilated. Keep battery vent caps in position. Prohibit smoking and avoid creation of flames and sparks nearby. Wear face and eye protection when near batteries being charged.

### **Spill or Leak Procedures:**

Stop flow of material, contain/absorb small spills with dry sand, earth, and vermiculite. Do not use combustible materials. If possible, carefully neutralize spilled electrolyte with soda ash, sodium bicarbonate, lime, etc. Wear acid-resistant clothing, boots, gloves, and face shield. **Do not allow discharge of un-neutralized acid to sewer.** Neutralized acid must be managed in accordance with approved local, state, and federal requirements. Consult state environmental agency and/or federal EPA.

### **Waste Disposal Methods:**

Spent batteries: Send to secondary lead smelter for recycling.

## VII. PRECAUTIONS FOR SAFE HANDLING AND USE (CONTINUED)

Electrolyte: Place neutralized slurry into sealed acid resistant containers and dispose of as hazardous waste, as applicable. Large water diluted spills, after neutralization and testing, should be managed in accordance with approved local, state, and federal requirements. Consult state environmental agency and/or federal EPA.

### Precautionary Labeling:

POISON - CAUSES SEVERE BURNS  
DANGER - EXPLOSIVE GASES

CORROSIVE - CONTAINS SULFURIC ACID  
KEEP AWAY FROM CHILDREN

## VIII. CONTROL MEASURES

### Engineering Controls and Work Practices:

Store and handle in well-ventilated area. If mechanical ventilation is used, components must be acid-resistant. Handle batteries cautiously, do not tip to avoid spills. Make certain vent caps are on securely. If battery case is damaged, avoid bodily contact with internal components. Wear protective clothing, eye and face protection, when filling, charging, or handling batteries.

### Respiratory Protection:

None required under normal conditions. When concentrations of sulfuric acid mist are known to exceed PEL, use NIOSH or MSHA-approved respiratory protection.

### Protective gloves:

Rubber or plastic acid-resistant gloves with elbow-length gauntlet.

### Eye Protection:

Chemical goggles or face shield.

### Other Protection:

Acid-resistant apron. Under severe exposure or emergency conditions, wear acid-resistant clothing, gloves, and boots.

### Emergency Flushing:

In areas where water and sulfuric acid solutions are handled in concentrations greater than 1%, emergency eyewash stations and showers should be provided, with unlimited water supply.

## IX. OTHER REGULATORY INFORMATION

### NFPA Hazard Rating for sulfuric acid:

Flammability (Red) = 0  
Health (Blue) = 3  
Reactivity (Yellow) = 2  
Sulfuric acid is water-reactive if concentrated.

**TRANSPORTATION:** Wet (filled with electrolyte) batteries are regulated by U.S. DOT as a hazardous material, as provided in 49 CFR 173.159

Proper Shipping Name: Battery, wet, filled with acid  
Hazard Class/Division: 8  
ID Number: UN2794  
Packing Group: III  
Label Required: Corrosive

**RCRA:** Spent lead-acid batteries are not regulated as hazardous waste when recycled. Spilled sulfuric acid is a characteristic hazardous waste; EPA hazardous waste number D002 (corrosivity).

### CERCLA (Superfund) and EPCRA:

- (a) Reportable Quantity (RQ) for spilled 100% sulfuric acid under CERCLA (Superfund) and EPCRA (Emergency Planning and Community Right to Know Act) is **1,000 lbs**. State and local reportable quantities for spilled sulfuric acid may vary.
- (b) Sulfuric acid is a listed "Extremely Hazardous Substance" under EPCRA, with a Threshold Planning Quantity (TPQ) of **1,000 lbs**.
- (c) EPCRA Section 302 notification is required if **1,000 lbs** or more of sulfuric acid is present at one site. An average automotive/commercial battery contains approximately 5 lbs of sulfuric acid. Contact your Exide representative for additional information.
- (d) EPCRA Section 312 Tier Two reporting is required for non-automotive batteries if sulfuric acid is present in quantities of **500 lbs** or more and/or if lead is present in quantities of **10,000 lbs** or more.

**IX. OTHER REGULATORY INFORMATION (CONTINUED)**

(e) **Supplier Notification:** This product contains toxic chemicals that may be reportable under EPCRA Section 313 Toxic Chemical Release Inventory (Form R) requirements. For a manufacturing facility under SIC codes 20 through 39, the following information is provided to enable you to complete the required reports:

<u>Toxic Chemical</u>	<u>CAS Number</u>	<u>Approximate % by Weight</u>
Lead	7439-92-1	54-62
Sulfuric Acid/Water Solution	7664-93-9	26-40
*Antimony	7440-36-0	0.4
*Arsenic	7440-38-2	0.01

\*Not present in all battery types. Contact your Exide representative for additional information.

If you distribute this product to other manufacturers in SIC Codes 20 through 39, this information must be provided with the first shipment of each calendar year.

**Note:** The Section 313 supplier notification requirement does not apply to batteries that are "consumer products".

**CAA:**

Exide Technologies supports preventative actions concerning ozone depletion in the atmosphere due to emissions of CFC's and other ozone depleting chemicals (ODC's), defined by the USEPA as Class I substances. Pursuant to Section 611 of the Clean Air Act Amendments (CAAA) of 1990, finalized on January 19, 1993, Exide established a policy to eliminate the use of Class I ODC's prior to the May 15, 1993 deadline.

**TSCA:**

Ingredients in Exide's batteries are listed in the TSCA Registry as follows:

	<u>CAS NO.</u>	<u>TSCA Status</u>
Electrolyte: Sulfuric acid (H <sub>2</sub> SO <sub>4</sub> )	7664-93-9	Listed
Inorganic Lead Compound		
Lead (Pb)	7439-92-1	Listed
Lead Oxide (PbO)	1317-36-8	Listed
Lead Sulfate (PbSO <sub>4</sub> )	7446-14-2	Listed
Antimony (Sb)	7440-36-0	Listed
Arsenic (As)	7440-38-2	Listed
Calcium (Ca)	7440-70-2	Listed
Tin (Sn)	7440-31-5	Listed

**CANADIAN REGULATIONS:**

All chemical substances in this product are listed on the CEPA DSL/NDSL or are exempt from list requirements.

**CALIFORNIA PROPOSITION 65:** "WARNING: This product contains lead, a chemical known to the State of California to cause cancer, or birth defects or other reproductive harm."

PREPARED BY: ENVIRONMENTAL, SAFETY AND HEALTH DEPARTMENT  
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