

Prepared for
BATTERY COUNCIL INTERNATIONAL

I. TOTAL NORTH AMERICAN UNIT SHIPMENTS OF ORIGINAL EQUIPMENT AND REPLACEMENT AUTOMOTIVE BATTERIES:

Current Month	Apr-23	Mar-23	% Change	Apr-22	% Change
4 Mo. Cumulative	Jan - Apr 23		% Change	12 Month Moving: May 22 - Apr 23	% Change
4 Mo. Cumulative	Jan - Apr 22			12 Month Moving: May 21 - Apr 22	

II. ORIGINAL EQUIPMENT AND REPLACEMENT BATTERIES BY TYPE SHIPPED DURING THE MONTH OF APRIL

Battery Classification	Company Count	Apr-23	Apr-22	% Change	2023 Y-T-D	2022 Y-T-D	% Change
12 Volt 6 Volt AGM Lithium							
TOTAL PASSENGER CAR & LIGHT COMMERCIAL							
12 Volt 6 Volt AGM Lithium							
TOTAL HEAVY DUTY COMMERCIAL							
12 Volt AGM Lithium Marine							
TOTAL MARINE/RV							
Special Tractor (6 and 12 Volt) General Utility							
Deep Cycle 6V/12V Golf Car Lithium Golf Cart Deep Cycle 6V/12V Floor Scrubber Military Types							
TOTAL							
Conventional AGM Factory Activated Lithium Powersports							
TOTAL MOTORCYCLE/POWERSPORT							

GRAND TOTAL

ADDITIONAL SALES NOT INCLUDED
IN ABOVE TOTALS (Includes: Aircraft
and All Others)

EXPORT BATTERIES SHIPPED

R = Revised
D - Excluded from total

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MOTIVE POWER BATTERY SALES - MONTHLY REPORT

PRODUCT DESCRIPTION	Item No.	Lead Battery - Dollar Sales		Lithium Battery - Dollar Sales	
		Billed to Domestic Customers	Billed to North American Customers	Billed to Domestic Customers	Billed to North American Customers
Industrial Truck, AGV, & GSE	1				
Railroad Locomotive / Diesel Starting Batteries	2				
Mine Batteries - incl complete batts & bulk cell sales to mine	3				
Total (Items 1 through 3)	Total				

NUMBER OF INDUSTRIAL TRUCK BATTERIES SOLD

(Number of Cells Per Tray) Completed Unit by Final Voltage	Item No.	Lead Battery - Number of Domestic Batteries Sold		Lead Battery - Number of North American Batteries Sold		Lithium Battery - Number of Domestic Batteries Sold		Lithium Battery - Number of North American Batteries	
		Current Month	YTD	Current Month	YTD	Current Month	YTD	Current Month	YTD
12 volt units (6 cells only)	4								
18 volt units (9 cells)	5								
24 volt units (12 cells)	6								
36 volt units (18 cells)	7								
48 volt units (24 cells)	8								
72 volt units (36 cells)	9								
≥ 80 volt units (40 cells)	10								
Other misc. volt units (not covered by items 4-10)	11								
TOTAL (Items 4 through 11)	Total								

Total Participants = _____

Form A

Disclosure Rules
D - Lithium data pending.

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**NET SALES OF DIESEL LOCOMOTIVE STARTING
BATTERIES TO DOMESTIC CUSTOMERS CELLS AND UNITS
MONTHLY REPORT**

FOUR CELL UNITS SOLD FOR STARTING DIESEL LOCOMOTIVES		ITEM NO.	NET SALES OF LEAD BATTERIES TO DOMESTIC CUSTOMERS		NET SALES OF LITHIUM BATTERIES TO DOMESTIC CUSTOMERS	
			NO OF UNITS	NO OF CELLS	NO OF UNITS	NO OF CELLS
280 THRU 284 AMP/HOURS	4 CELL MONOBLOC UNITS	1				
420 THRU 600 AMP/HOURS	4 CELL MONOBLOC UNITS	2				
	16 CELL UNITIZED	3				
TOTAL						

Total Participants = _____

Disclosure Rules

D1 - Included in Item 2.

D - Lithium data pending.

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INDUSTRIAL TRUCK BATTERY CHARGER SALES - \$ - MONTHLY REPORT

DESCRIPTION	DOLLAR VALUE OF SALES TO DOMESTIC CUSTOMERS	DOLLAR VALUE OF SALES TO NORTH AMERICAN CUSTOMERS
INDUSTRIAL TRUCK BATTERY CHARGERS - DC OUTPUT VOLTAGE SINGLE AND THREE-PHASE		

DOMESTIC INDUSTRIAL TRUCK BATTERY CHARGER SALES - UNITS

INDUSTRIAL TRUCK BATTERY CHARGERS DC OUTPUT VOLTAGE	ITEM NO.	NET NUMBER OF UNITS SOLD TO DOMESTIC CUSTOMERS		
		SINGLE PHASE	THREE PHASE	TOTAL
18 OR LESS	1			
24	2			
30 THRU 36	3			
40 AND OVER	4			
TOTAL (ITEMS 1 THROUGH 4)				

Total Participants= _____

**DOMESTIC
STANDBY POWER BATTERY SALES -- MONTHLY REPORT**

TYPES OF SALES	PRODUCT DESCRIPTION	ITEM NO.	DOLLAR SALES BILLED TO DOMESTIC CUSTOMERS				
COMMUNICATIONS	Sales to operating telephone companies, users, and O.E.M.'s of communications equipment, such as telephone telemetering, microwave, cellular, and supervisory control.	1					
CONTROL & SWITCHGEAR	Sales to utilities who produce power, consultants to these utilities, O.E.M.'s of control equipment, controls for processing equipment used by utilities and commercial accounts for control	2					

	and switchgear application.						
UPS	Uninterruptible power systems and inverters.	3					
MISCELLANEOUS STANDBY	Emergency lighting, fire alarms, railroad signaling, photovoltaic, diesel generator starting, etc.	4					
Energy Storage System	Batteries to grid connected systems for the purpose of supporting energy storage applications such as peak shaving, frequency regulation, ancillary services, energy arbitrage, renewable integration and smoothing, and spinning reserve.	5					
TOTAL (ITEMS 1 THROUGH 5)							