



Element<sup>®</sup> Valve-Regulated  
Lead-Acid Batteries

# Element® Batteries

## Batteries for Classes I, II and III

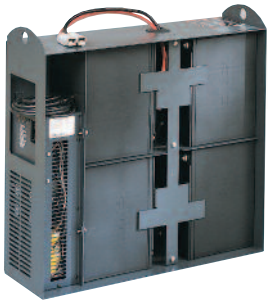


Choose from a complete family of batteries developed for your applications. Tray design includes top and front cable exits, a flush bolt-on cover and a full exterior weld for strength and durability. Convenient lifting ears make changeouts quick whether you're running full-size lift trucks, narrow aisle models or walkies.



## Element® Pow'r Pak Power System

A single tray combination of an Element® battery with an SCR charger means lower maintenance and no remote charging station. Simply plug into any 15-amp, 120 volt AC outlet to recharge anywhere, anytime. Perfect for single shift per day or light duty applications.



## Element® Pallet Pro™ Power System

For 24 volt walkie pallet trucks with a loading capacity up to 4,000 pounds. This economical power system includes a built-in charger and is recommended for 2 to 4 hours of daily usage at maximum capacity.



## Element® Deep Cycle Bloc Batteries

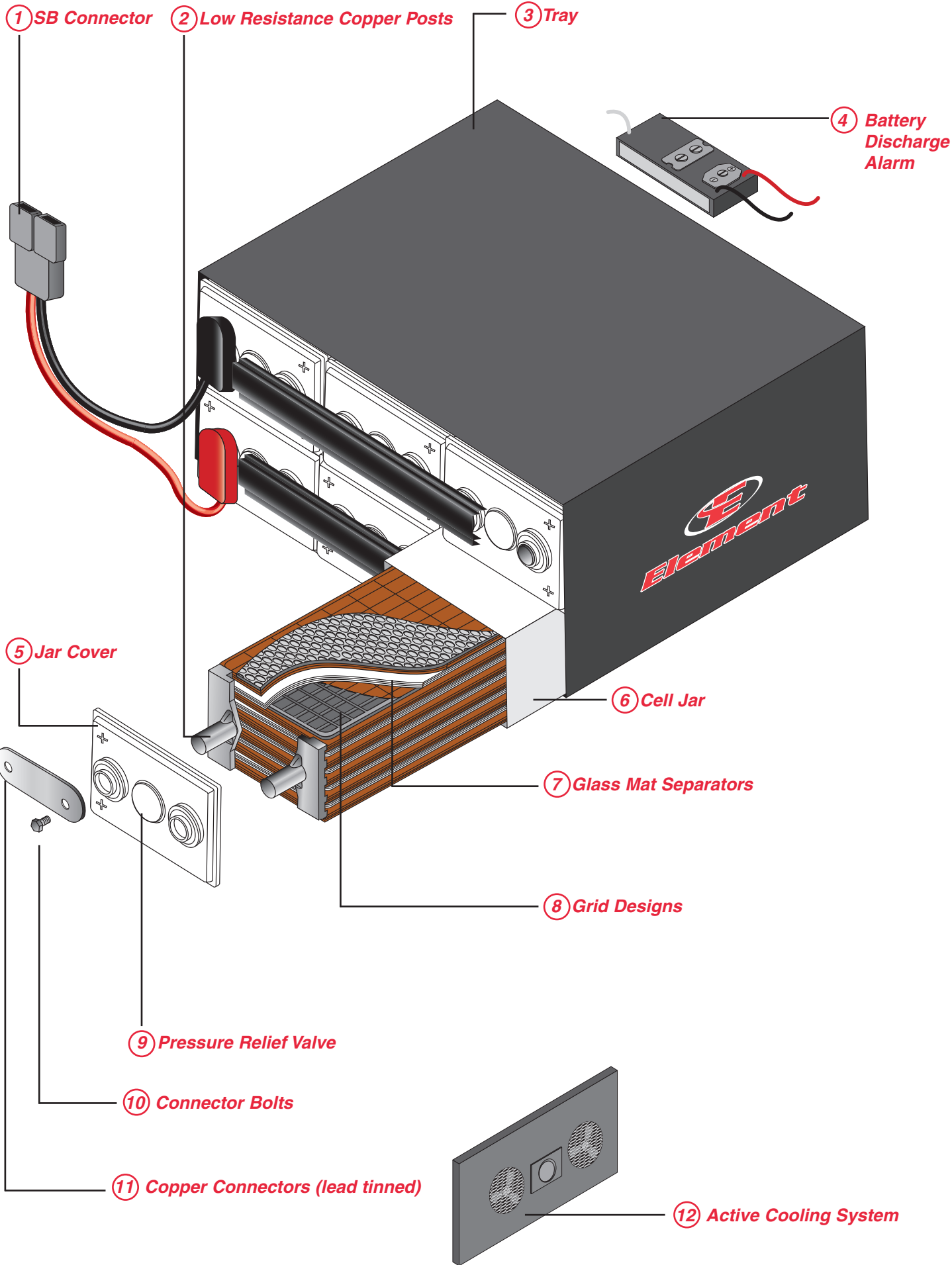
6 or 12 volt compact valve regulated batteries feature Absolyte® technology and are ideal for electric vehicles such as personnel carriers, AGVs, maintenance lifts and industrial scrubbers and sweepers.



## Element® Gel Bloc Batteries

12 volt compact valve regulated batteries feature Sonnenschein® gel technology and are available in Group U1, 22NF, 24, 27, and 30H/31 sizes.

# Advanced Valve-Regulated AGM Cell Design



# The Element<sup>®</sup> Difference: Improvement to your bottom line

**Absorbed Electrolyte** in glass mat separators, unlike standard flooded or gel batteries, facilitates oxygen recombination with virtually no loss of liquid, which eliminates daily watering and acid equalization maintenance.

**Pressure Relief Valves** control internal pressure for efficient charging, are self-sealing and have flash arrestors for safe operation.

**Fully Recyclable Design** for GNB<sup>®</sup> Industrial Power's Total Battery Management Program.

## Element<sup>®</sup> Design

- ① **SB Connector**
- ② **Low Resistance Copper Posts**  
Threaded copper inserts provide superior conductivity for greater electrical efficiency
- ③ **Tray**  
Patented partitioned tray - maximum strength, heat cured electrostatic powder coating; all steel, full weld construction
- ④ **Battery Discharge Alarm\***  
Protects the battery by alerting the operator when the battery's state of charge is approaching 20% (\*on select models)
- ⑤ **Jar Cover**  
Heat sealed & Helium leak tested
- ⑥ **Cell Jar**  
Injection molded durable polypropylene
- ⑦ **Glass Mat Separators**  
High porosity material for maximum recombination and electrolyte absorption
- ⑧ **Grid Designs**  
Advanced alloys and patterns maximize the effectiveness of both positive and negative plates
- ⑨ **Pressure Relief Valve**  
Self-sealing with built-in flash arrester
- ⑩ **Connector Bolts**  
Epoxy coating provides vibration resistance
- ⑪ **Copper Connectors (lead tinned)**  
Low-resistance performance and bolt-on convenience
- ⑫ **Active Cooling System**  
Required on selected 48 volt batteries

# A Valve-Regulated battery design delivers daily savings and benefits —

## Less Maintenance

- No cell watering
- No acid equalization
- Cleaner to operate

## Greater Safety

- No acid spills
- Virtually no gassing
- Kinder to the environment

## Less Equipment

- No acid and distilled water
- No watering systems
- No special ventilation required



**Element**<sup>®</sup>

eco-friendly • efficient • energy

## Which Technology Would You Choose?



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# GNB Industrial Power – The Industry Leader.



GNB Industrial Power, a division of Exide Technologies, is a global leader in motive power battery and charger systems for electric lift trucks and other material handling equipment. With a strong manufacturing base in both North America and Europe and a truly global reach (operations in more than 80 countries) in sales and service, GNB Industrial Power is best positioned to satisfy your power needs locally as well as all over the world.

Based on over 100 years of technological innovation, the Motive Power group leads the industry with the most recognized global brands, such as GNB® FLOODED CLASSIC®,

TUBULAR-HP®, ELEMENT®, LIBERATOR®, GNB® FUSION™, ELEMENT® GEL, and SONNENSCH EIN®. They have come to symbolize quality, reliability, performance and excellence in all the markets served.

GNB Industrial Power takes pride in its commitment to a better environment. Its Total Battery Management program, an integrated approach to manufacturing, distributing and recycling of lead acid batteries, has been developed to help ensure a safe and responsible life cycle for all of its products.

## GNB Industrial Power

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