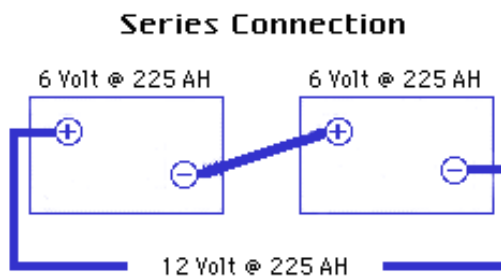
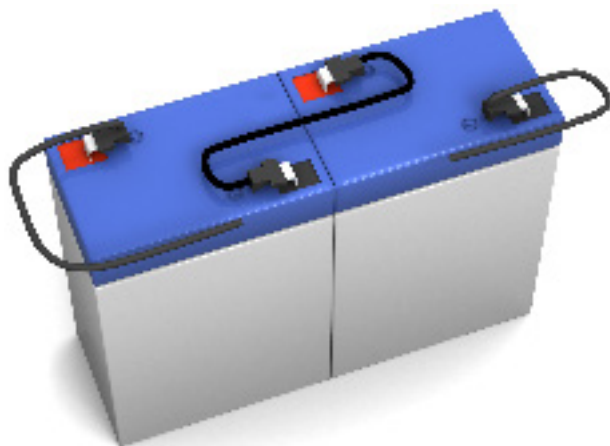




### Connecting in Series (Increases Voltage)

In connecting batteries in series the positive terminal of the first battery is connected to the negative terminal of the second battery and so on down the string.

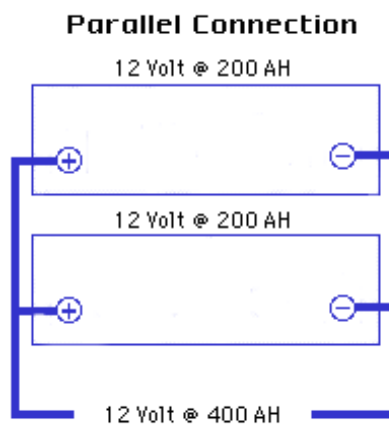
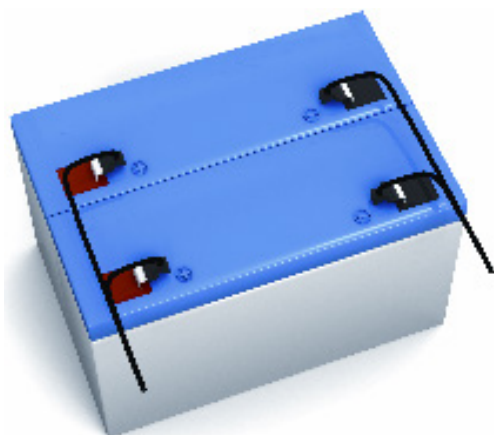


The interconnecting cables must be of equal length and resistance to insure equalization of the load. All batteries in the string will receive the same amount of charge current, though individual battery voltages may vary.

High voltage strings of batteries in series should be limited to twenty 6 volt or ten 12 volt batteries when a single constant voltage charger is connected across the entire string. Differences in capacity can cause some batteries to overcharge while others remain undercharged thus causing premature aging of batteries. It is, therefore, not advisable to mix batteries of different capacities, make, or age in a series string.

### Connecting in Parallel (Increases Capacity)

When charging batteries in parallel (positive terminals are connected to the positive terminal and negative terminals to the negative), all batteries in the string will receive the same charge voltage but the charge current each battery receives will vary until equalization is reached.





## ***Battery Recycling***



*Power-Sonic* is dedicated to the protection of our environment and we would urge you to recycle your old batteries on every occasion.

We in the battery industry are proud of the fact that lead-acid batteries are the environmental success story of our time. More than 97% of all battery lead is recycled. Compared to 55% of aluminum soft drink and beer cans, 45% of newspapers, 26% of glass bottles and 26% of tires, lead acid batteries top the list of the most highly recycled consumer products.

The lead-acid battery gains its environmental edge from its closed loop cycle. The typical new lead- acid battery contains 60 to 80 percent recycled lead and plastic. When a spent battery is collected, it is sent to a permitted recycler, where under strict environmental regulations; the lead and plastic are reclaimed and sent to a new battery manufacturer. The recycling cycle goes on indefinitely. That means the lead and plastic in the lead-acid batteries that you use have been - and will continue to be - recycled many, many times. This makes lead acid battery disposal extremely successful from both environmental and cost perspectives.

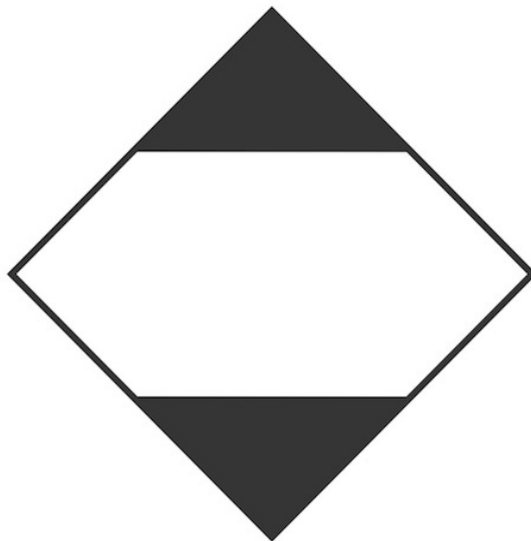
## DOT Limited Quantity Ruling...

The U.S. Department of Transportation and Transport Canada provide exemptions for the shipment of Limited Quantities of Battery Acid (in Acid Pack Containers).

All Power-Sonic Super Sport Series Brand Powersport Batteries which come with acid packs are packaged in DOT/ Transport Canada approved Limited Quantity Packaging (formally known as ORM-D). This allows for the transport of what used to be considered "UN2796 Corrosive 8 Packaging" to now be shipped without paying the traditional Haz-Mat Fees that used to apply to all Hazardous Material shipments.

Please refer to [DOT CFR 173.154 & 173.156](#) for more regulatory information.

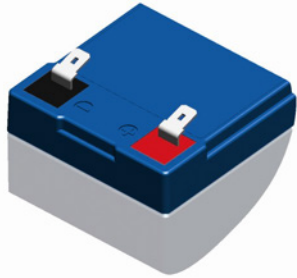
\*Please note- Individual carriers require special contracts and procedures for the shipment of Limited Quantity Packaging. Always check with your carrier for their specific requirements before shipping Limited Quantity Packaging or any Hazardous Materials of any kind.



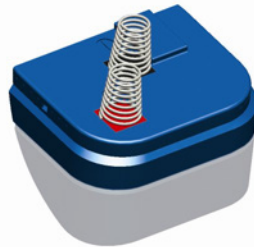


## Terminal Illustrations 3D Perspective

**F1/F2**



**SP**



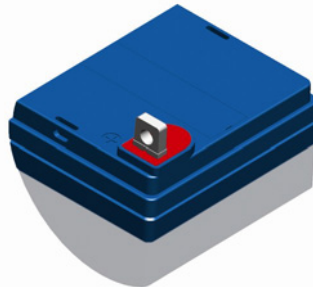
**NB1/NB2**



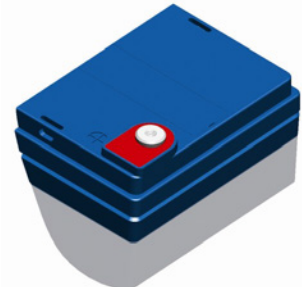
**Pressure Contacts**



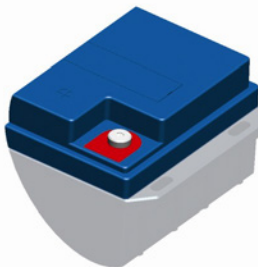
**NB3**



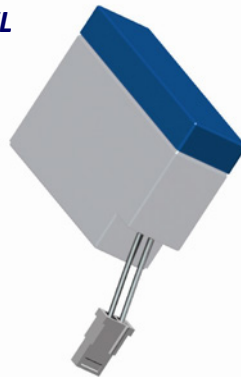
**B**



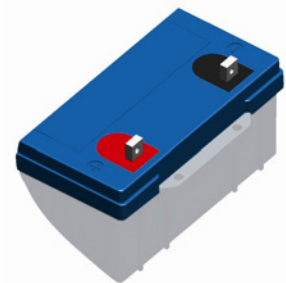
**T8**



**WL**



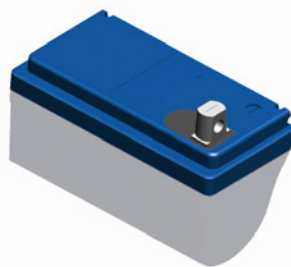
**NB4**



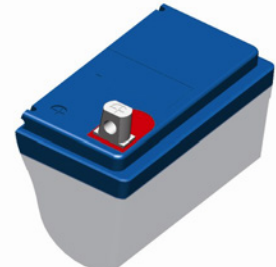
**T11/T12**



**U -**



**U +**

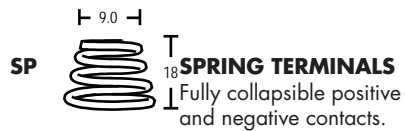
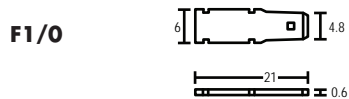
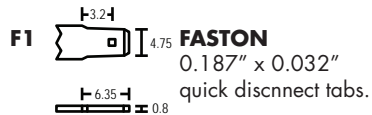


*These drawings show the terminal type only. For orientation and size details of the terminals please consult our product specification sheets.*

*The plug connections for PS-6120 Toy model, TH and TS, are detailed on the product specification sheet.*



## SLA Batteries PS, PSG, PSH and PG Series Terminal Details



**WL INSULATED WIRE LEADS**

- Molex Housing 5264-02 & 5263-PBT plug on PS-605
- AMP Housing 1-480318-0 & 8116-1 on PS-1208

**PC PRESSURE CONTACTS**

**TH TOY BATTERY CONNECTORS**  
H-connector PS-6120 TH

**TS TOY BATTERY CONNECTORS**  
S-connector PS-6120 TS

