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Li64RR Lithium Ion Railroad Locomotive Battery

Patent Pending



DESCRIPTION

The innovative Patent Pending Start Pac Li64RR lithium ion railroad locomotive battery is designed to replace traditional lead acid batteries. The Start Pac Li64RR battery has numerous advantages including higher energy density, significantly reduced weight and size, two to three times the cycle life and no sulfation issues. Most importantly, the Start Pac Li64RR is a completely maintenance free locomotive battery which greatly enhances personnel safety and reduces operational costs. The Start Pac Li64RR contains no acid and is completely sealed. Thus, personnel handling the Start Pac locomotive batteries will not be exposed to acid burns.

Present day lead acid locomotive batteries weigh thousands of pounds and require two 32-volt units connected in series for a common 64-volt battery unit. The Start Pac Li64RR is a single 64-volt battery that weighs only 320 lbs and has significantly smaller overall dimensions.

The Start Pac Li64RR is protected from potentially damaging conditions by a built in patent pending Battery Protection System (Start Pac BPS). This system internally disconnects the Li64RR from the locomotive when pre-programmed conditions are met.

In the event that the Li64RR BPS does disconnect it from the locomotive system, bringing the battery back online is as simple as either plugging the battery into any 110VAC source to recharge from the built in charger, or jump-starting the locomotive.

SPECIFICATIONS

Structure

- Dimensions: L 43" x W 19" x H 14"
- Weight: 320 lbs
- Nominal Voltage: 64 Volts
- Capacity: 96 Amp hours
- Cold Cranking Amps: 1200 Amps
- Peak Amps: 2800 Amps
- Operating Temperatures: 120 F to -20 F

SPECIAL CONDITIONS

If the battery is colder than -20 F it may not "turn-over or start" the engine on the first attempt. Try starting as you normally would. If the engine does not start, wait 20-30 seconds and try again. Often times, the load on the battery will generate just enough internal battery heat to warm the battery to >-20F and allow the battery to function normally.

Note: It does not damage the battery to be stored at a temperature <-20F. However, the battery will have a difficult time receiving a charge if the temperature is colder than -20F.

All Start Pac™ products come with a 1-year warranty on workmanship and materials. Batteries are cycle-dependent and therefore are not covered under this warranty.

Please handle this unit in a responsible manner. Start Pac™ is not responsible for damages caused by misuse or neglect.