

KickStart

BATTERY AND STARTING MANAGER

Eliminate Battery Related Starting Problems.

Battery related starting problems are a thing of the past with Kickstart Battery and Starting Manager. Kickstart also drastically reduces premature battery replacements and minimizes service disruptions by maintaining stable voltage for computers and control circuits during engine crank. It also reduces green house gas emissions by reducing idle required for battery charging.



Start locomotive engines - even with dead batteries.

Electrical System Voltage Stabilization

The ZTR super capacitor solution combined with voltage stabilization technology ensures on the on board electronics don't shut down or cycle during the engine crank for reliable starting every time.

Battery Management and Protection System

A multistage battery charging system that is tailored to the battery manufacturer specifications expedites charging and extends battery life with no changes to onboard charging circuits required.

Electrical Bus Stabilization

Kickstart BSM maintains a stable voltage source for onboard computers and cranking circuits, ensuring no interruption to operations.

One More Crank

The system provides integrated load shedding with a staged approach to ensure batteries can maintain charge for one more engine crank so you never have to worry about a battery related failed restart.

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\$22,000

Yearly Savings

450%

10 Year ROI



Avoid Battery Related Failed Restarts

Kickstart significantly enhances starting reliability in all weather conditions.



Easy Installation, Zero Maintenance

Kickstart can be easily installed and requires no regular maintenance.



Charge Maintenance

Kickstart will maintain a charge and assist starting after extended shut-down intervals.



Reliable Cold Weather Performance

Kickstart super capacitor technology is not affected by cold weather extremes.

100%

Successful Restarts

Eliminate battery related failed restarts.

55%

Idle Time Reduction

Less time is spent charging batteries before shutdown.

40%

Shorter Engine Crank Time

Less is better for lower wear and tear on starting equipment.

85%

Fewer AESS Restarts

Less is better as it indicates a healthier battery state of charge.

50%

Lower Battery Current Draws

Less deep-cycling of batteries leads to greater state of charge and longer life.