



A SIMPLE CHANGE

Locomotive batteries can be expensive to replace and the cost of a failed start can be considerable. KickStart™ uses supercapacitor technology to bolster locomotive batteries during the engine start, reducing battery strain. That means less energy drain from batteries, longer battery life, less time to recharge batteries, faster cranking speed and outstanding locomotive reliability.

See How KickStart Can Benefit Your Fleet



Extended Locomotive Battery Life

Batteries are costly to install and replace. KickStart reduces battery drain during starting to improve longevity by up to 50%.



Charge Maintenance

If the battery drains, KickStart will maintain a charge and be ready to assist locomotive starting after extended shut-down intervals.



Easy Installation and Zero Maintenance

With its light and compact design, KickStart can be easily installed and requires no regular maintenance.



Increased Locomotive Availability

KickStart ensures that your locomotive performs when it is most critical by significantly enhancing starting reliability in all weather conditions.



Minimized Battery Voltage Drop

KickStart augments the power required during engine start, reducing the drop in battery voltage.



Reduced Battery Charge Time

KickStart reduces battery drain which can mean less time to recharge.



Reliable Cold Weather Performance

KickStart supercapacitor technology is not affected by cold weather extremes.



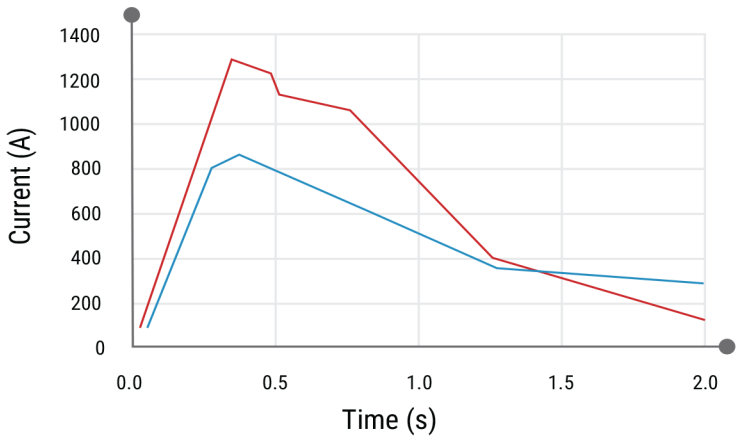
Diagnostic Interface

Integrated monitoring, fault notifications and diagnostics eliminate the need to install proprietary software for setup and commissioning operations.

IMPROVE STARTING RELIABILITY

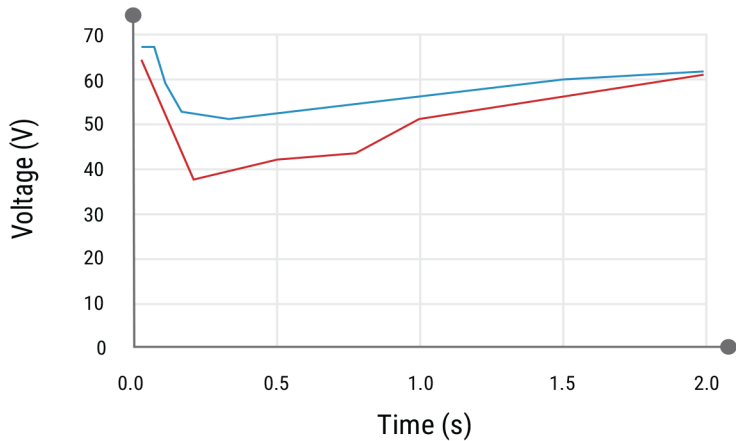
Reduce starting issues and increase locomotive availability today with KickStart™

Battery Amps at Crank



KickStart helps deliver outstanding locomotive reliability

Battery Voltage Drop at Crank



— without KickStart — with KickStart

*Graphs illustrate typical testing results

