

ZTR **KickStart** STARTING ASSIST



REMOTE
REPORTING



RELIABLE
STARTS



EMISSION
REDUCTION

Reliable Locomotive Starts. Every Time.

Are repeated demands on your locomotive batteries causing downtime, costly repairs, and failed starts? ZTR KickStart is your proven solution, using supercapacitor technology to support locomotive batteries during engine start. This reduces strain, extends battery life by up to 50%, and delivers dependable performance in all conditions.

How KickStart Works

KickStart augments the battery during engine start, supplying the additional burst of power needed for quick, dependable cranking, especially in demanding conditions.

KEY BENEFITS:



Charge Maintenance – Maintains a ready charge to assist starts even after extended shutdowns.



Extends Battery Life – KickStart reduces battery drain during starting to improve longevity by up to 50%



Reduces Voltage Drop – KickStart augments the power required during engine start, reducing the drop in battery voltage



Easy Installation & Zero Maintenance – Simple setup, no ongoing upkeep required



Increases Locomotive Reliability – Reliable starts in all weather conditions mean less downtime



Reliable Cold Weather Performance – Supercapacitor technology remains unaffected by extreme temperatures



No More Failed Starts
KickStart ensures your
locomotives start when you
need them.

Proven Field Performance

55%

Idle Time Reduction

Less time spent charging batteries before shutdown.

78%

Shorter Engine Crank Time

Lower wear and tear on starting equipment.

24%

Fewer AESS** Restarts Due to Low Battery Voltage

Indicates a healthier battery state of charge.

35%

Lower Current Draw During Starts

Less deep cycling means longer battery life.

\$15000+
Yearly Savings

650%
10 Year ROI

KickStart delivers what matters most: reliable starts, longer battery life, and proven performance.

Paired with an AESS system, it cuts crank time, lowers emissions, saves fuel, and drives sustainability.



***Field tests conducted on locomotives also equipped with ZTR SmartStart AESS. Data illustrations were created from verified KickStart installation field data.*



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