



AMPOWER23 ADVANCED LOCOMOTIVE STARTER 23KWh BATTERY SYSTEM

Contact Information

Amp Rail LLC
 amprailproducts.com
Greg Price: 248-227-2412



Control Interface



Optional Data Logger

TECHNOLOGY: Advance lithium-ion starting battery for diesel locomotive power applications.

POWER: System provides 23KWh+ of power with 326Ah capacity in a single battery, allowing for multiple successive diesel engine starts.

CONTROL: System utilizes advanced control system certified to ISO 26262 safety standards in conjunction with remote HMI screen for monitoring battery status and allowing operator full control of battery system. Option for data logger available.

SAFETY: System utilizes safer LFP cell technology to reduce the risks of traditional NMC cells and increase operational temperature and voltage ranges.

3 YEAR WARRANTY: Robust design and improved stable capacity allows for increased operational life thus maximizing investment and ROI in locomotive operations.

SYSTEM SPECIFICATIONS

Power	23KWh
Voltage	67.2 – 75.6VDC 70.3 VDC (nominal)
Capacity	326Ah
Current	326A Max Continuous Charge (1C) 326A Continuous Discharge (1C) 1304A Max Discharge Pulse(4C)
Safety	ISO 26262 Controls
Certification & Testing	AAR S9401 (System) IEC IP67 (System) UL2580, Section 43 (System) UN38.3 (Module)
Operational Temperature	-36C to 65C
Storage Temperature	-40C to 65C
Thermal	Active Thermal Management System
Dimensions	43" W X 20.5" H X 25.5" D
Weight	~800lbs
Warranty	3 Years
Life Cycle	3000+ Charge/Discharge Cycles @ 1C
Depth of Discharge	100%

SERVICES AVAILABLE

Technical Support
 Installation and Setup
 Maintenance
 Application Support
 Hardware Support
 Guaranteed Warranty