



Intelligent Equipment
Management Solutions

BOA-II

Retrofit your aging fleet with the BOA™-II to get the most advanced excitation and superior locomotive wheel slip protection, in an easy to install package. The BOA™-II improves locomotive tractive effort, equipment protection and reliability for better train handling, adhesion and performance. With the BOA™-II wheel slip control system you can extend the life of your fleet and ensure you get the most value from it.

Benefits

Improve tractive effort

Increased adhesion through tractive effort improvements of up to 80% for DC main generator units and up to 25% for AC main generator units.

Enhanced reliability and equipment protection

Main generator and traction motor automatic short-term current regulation, voltage and current protection, and grid current protection.

Intuitive diagnostic interface

Integrated monitoring, diagnostics, logging and event counting through an intuitive web browser interface. No need to install proprietary software for setup and commissioning operations.

Flexible hardware options

Compatible with typical 4 and 6 axle traction motor configurations. Designed using the FLEX platform hardware allowing for easy installation and future upgrades.

Superior train handling and control

Improved throttle response with superior train lifting and handling capabilities, transition and field shunt control.

Locomotive life extension

Additional operating performance improvements provide the most cost-effective locomotive adhesion control available to extend the life of your locomotive.

Keep your aging fleet **on track** with the BOA-II, the most **reliable**, proven, and **advanced** wheel slip control **system** available.



Product Options

- Two speed dynamic brake
- Traction motor stall detection
- Locomotive speed limiter*
- Automatic ground relay reset with limiter
- Engine cooling control**

With the BOA-II wheel slip control system you can extend the life of your fleet and ensure you get the most value from it.

* Locomotive speed limiter - limited to excitation regulation and does not use the dynamic or mechanical brakes.
** Engine cooling control - available on all 6 axle locomotives and on 4 axle locomotives that do not require the grid blower health monitoring feature.