

ARCO Zeus Alternator Shield

Protect Your Alternator from Voltage Spikes & Disconnect Events



The ARCO Zeus Alternator Shield is engineered to protect high-output alternators from damaging voltage spikes caused by sudden battery disconnect events. These events, commonly triggered by LiFePo4 battery BMS shutdowns or accidental switch interruptions, can instantly destroy alternator diodes.

The Shield clamps excess voltage and safely diverts it to ground, helping extend alternator life and prevent costly failures.

KEY BENEFITS

- **Protects Against Voltage Spikes** - Prevents damage caused by battery disconnects and load dump events*
- **Designed for Modern Electrical Systems** - Ideal for LiFePo4 battery systems with BMS shutoff risk
- **Extends Alternator Life** - Reduces stress on diodes and internal components
- **Real-Time Status Indication** - LED indicator provides instant health status
- **Easy Installation** - Installs directly at alternator terminals in minutes
- **Built for High Output Systems** - Engineered to perform with today's high-amperage alternators

ARCO ADVANTAGE

- Rated to ISO 16750-2 Load Dump Standard
- Up to 75% more survivable real-world disconnect events vs. leading competitor
- Designed to handle real-world high-output charging conditions
- Works with ARCO Zeus Bluetooth controller's voltage sensing to protect both non communicating and simple-communicating batteries

*Comprehensive protection requires direct voltage sensing

ARCO PART #	DESCRIPTION	PHYSICAL SPECIFICATIONS
AS12	Protects your 12V alternator from voltage spikes	Dimensions: 2 × 0.6 × 2 in 50 × 16 × 50 mm
AS24	Protects your 24V alternator from voltage spikes	
AS48	Protects your 48V alternator from voltage spikes	Waterproof Rated: IP68