

AFC 300



PRODUCT SPECIFICATIONS

The MG AFC 300 alternator regulator protects the connected alternator, ensures optimal battery charging, extends battery life and enhances system reliability. The AFC 300 is fully NMEA2000 compatible and works seamlessly with both the MG Master and SmartLink. Built-in Bluetooth makes it easy to configure and monitor the system with the MG Connect app on your phone.

- ▶ Alternator Protection
- ▶ Temperature and Current Regulation
- ▶ Automatic Field Polarity Detection
- ▶ Load Dump Protection
- ▶ Programmable Digital Input & Output
- ▶ Isolated M12 CAN-Bus
- ▶ NMEA2000 and DVCC Compatible

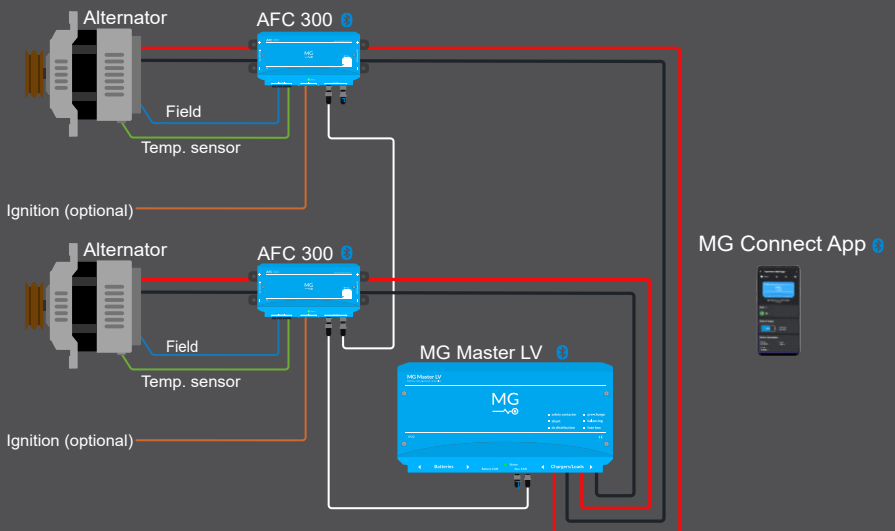


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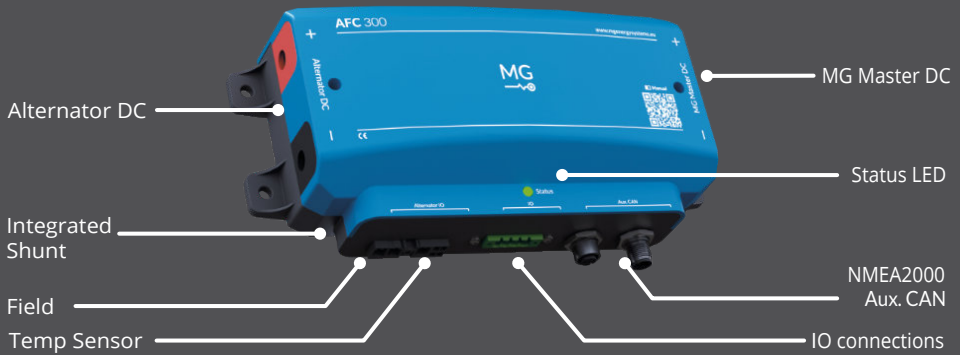
SINGLE LINE DIAGRAM



PRODUCT FEATURES

The AFC 300 is suitable for 12 V, 24 V and 48 V alternators and capable of handling currents up to 300 A. Automatic Field Polarity Detection can control the field from both the + or the -.

Bluetooth 



OVERVOLTAGE PROTECTION

The Load Dump Protection, a software and hardware overvoltage protection, shields the power electronics and alternator from damage in case of an emergency shutdown.

PARALLEL OPERATION

Connect multiple MG Alternator Field Controllers in parallel and the AFC 300 will automatically regulate and divide the current equally.

TEMPERATURE PROTECTION

The integrated shunt continuously monitors and controls the current and temperature status of the alternator. This protects the alternator against overtemperature.

BMS CONTROLLED

When the batteries are fully charged, the charge voltage limit will be lowered by the BMS. The AFC will always follow this parameter.

