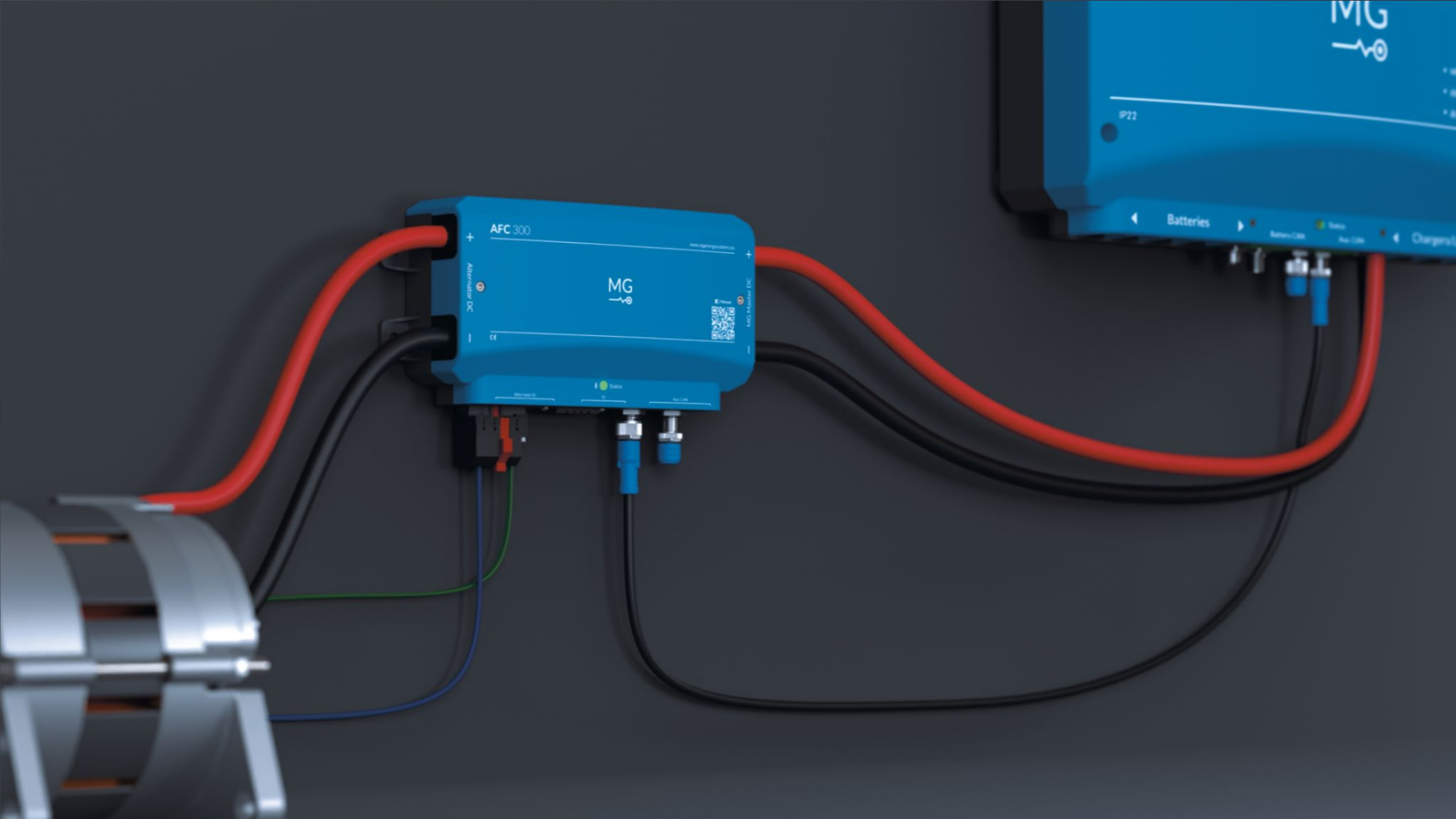


AFC

300

Available
Q3-2024





Product Features

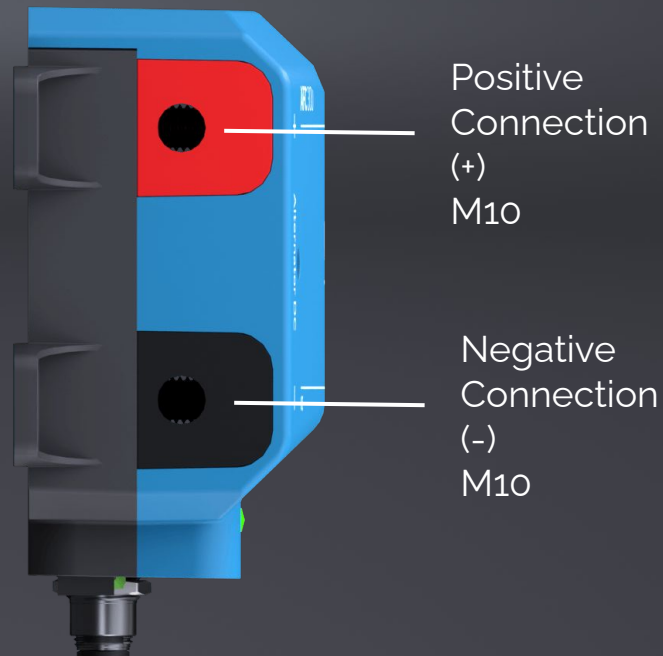
AFC 300 Front View



AFC 300 Bottom View



AFC 300 Side View



Why an AFC 300 ?

Prevents overheating of your alternator by limiting the current (A) when needed.



Key Specifications

1. 12V, 24V and 48V alternators
2. 300A max. current
3. Programmable Digital Input & Output
4. Isolated M12 CAN-Bus
5. NMEA2000 and DVCC Compatible
6. Bluetooth integrated (MG Connect App)



Operation

1. Temperature and Current Regulation
2. Automatic Field Polarity Detection
3. BMS Controlled (Master LV, SmartLink MX and SmartLink Connect)
4. Parallel operation (multiple alternators)



Protection

1. Integrated Load Dump
2. Alternator Current Measurement
3. Alternator Temperature Measurement



Installation

DC Bus-Bar

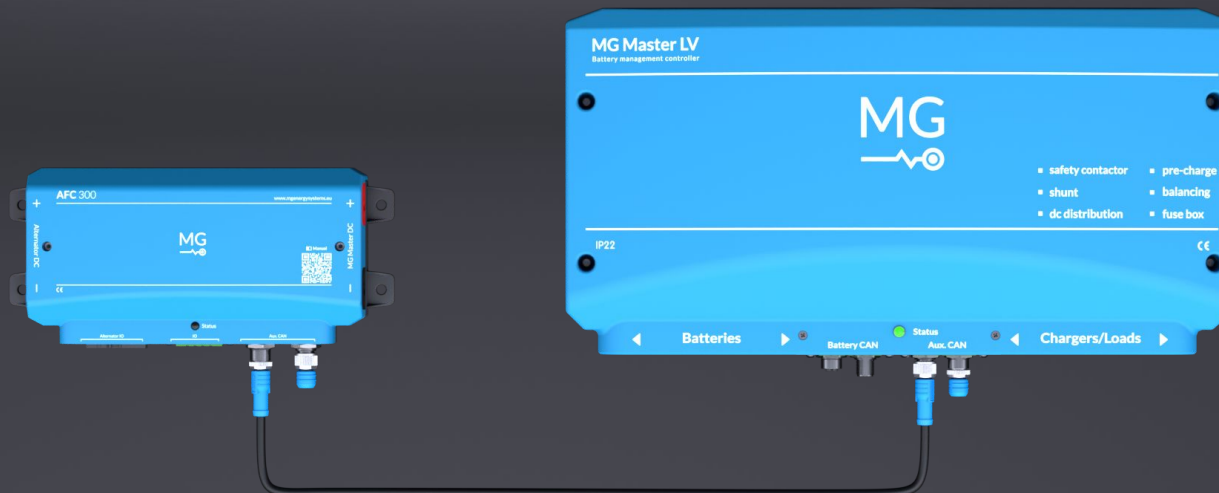


Fuse



CAN-Bus

Connect the AFC 300 to the Aux. connectors on the Master LV
Can-A on SmartLink systems



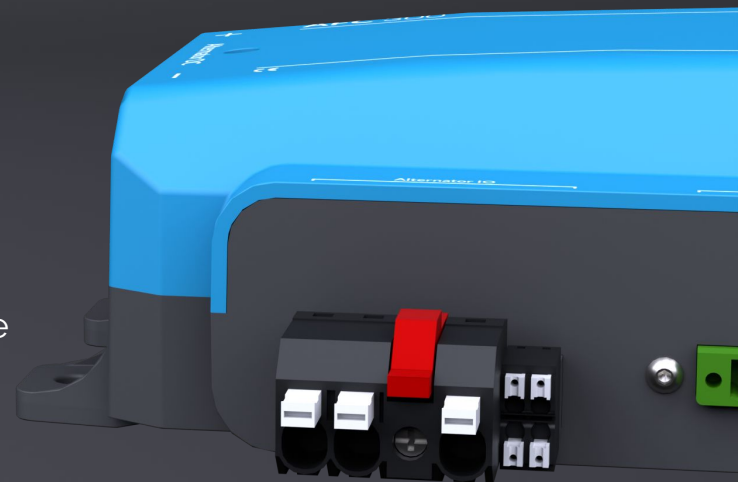
If it is the last device in the Bus, make sure to use a **M12 terminator** to end the bus

Alternator Connector

P1 Field Supply +
P2 Field
P3 Field Supply -

S1 Alternator Temperature -
S3 Alternator Temperature +

S2 Ignition/Enable
S4 W/Tacho

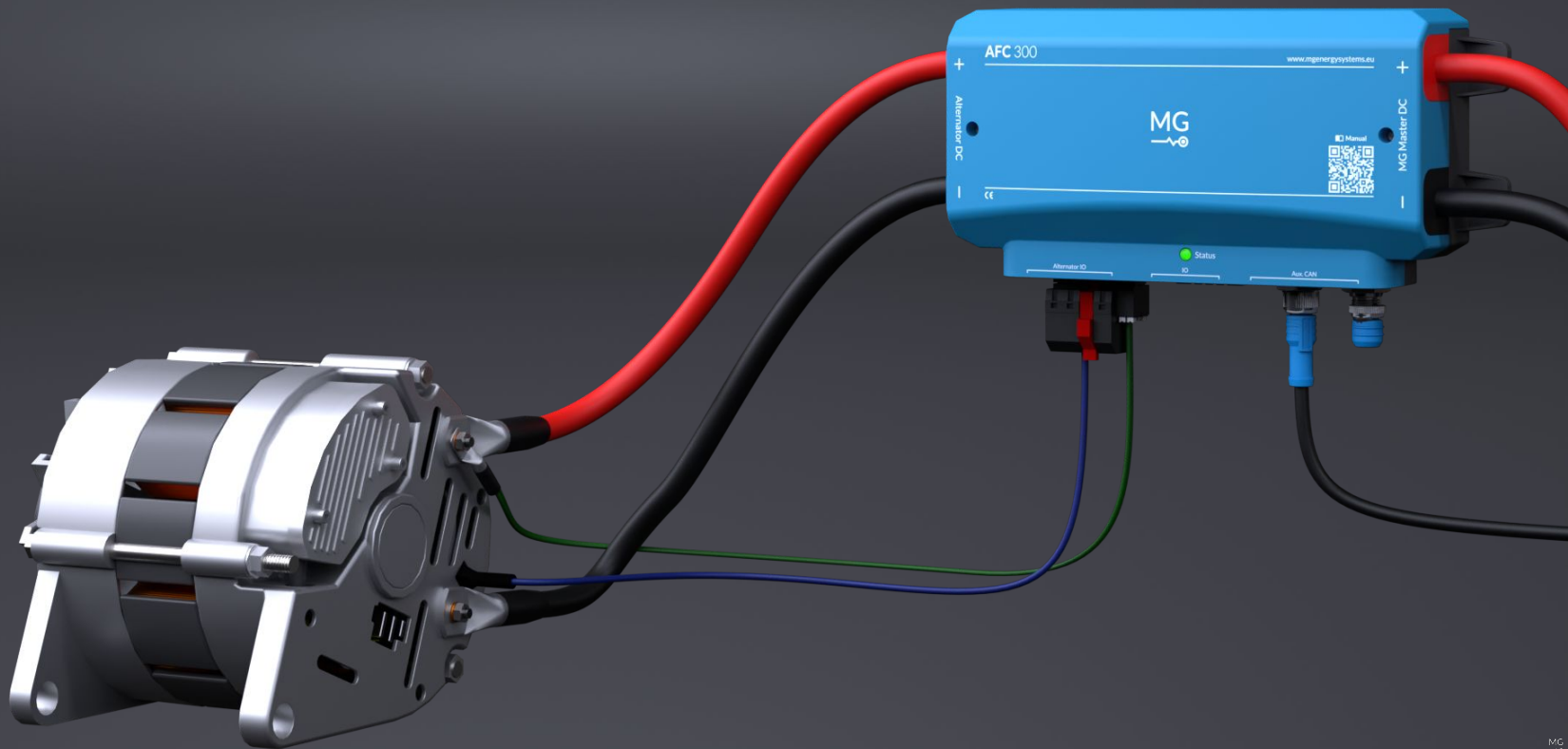


IO - Connector



1. Programmable Output GND
2. Programmable Output
3. Programmable Input
4. Ignition/Enable

Alternator Control



MG Connect App

MG Connect App

1. For Android (Play Store) and Apple (AppStore)
2. Settings, including the alternator current (A)
3. Monitoring status and events
4. Use the Connect App for Commissioning (!)



Schematics

