

MG AFC 300

- Technical specifications -

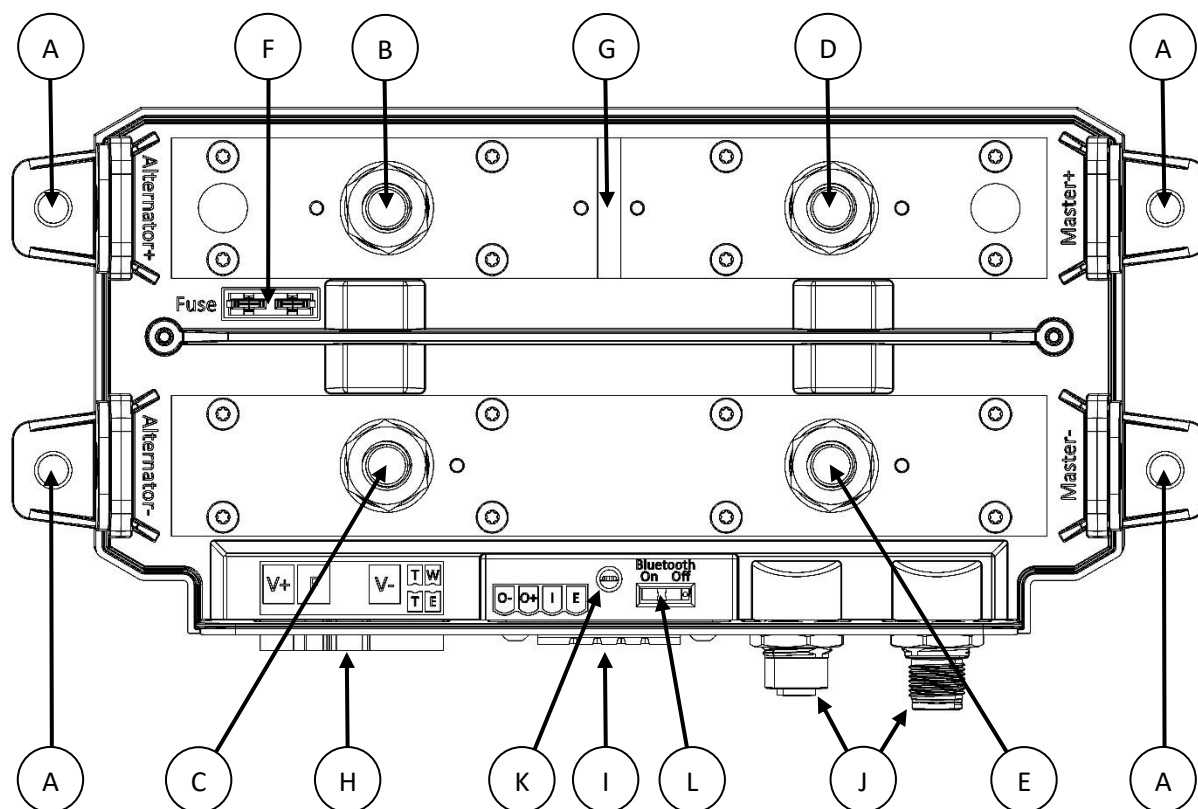
MGAF480300



Technical specifications

Technical specifications	AFC 300 (MGAFC480300)
Power supply voltage range	8-58 VDC
Maximum current consumption	21 A
Power consumption (without field drive)	1.2 W
Maximum charge current continuous	300 A
Maximum field current	20 A
Communication	CAN-bus (NMEA2000)
IO	
Programmable output	Voltage is equal to power supplied on "Field supply +", 0.5 A, short circuit protection & overcurrent protection
Programmable input	0-60 V, ≥ 7 V for active detect
Ignition/enable input	0-60 V, ≥ 7 V for active detect
W/Tacho	0-58 Vpp
CAN-bus connection	M12
Enclosure	
Material	PC ABS / ABS (reinforced)
Dimensions	255 x 132 x 63 mm
Mass	1.5 kg
Mounting holes	4x Ø 6.5 mm
Environmental	
Operating temperature range	-20 °C to 50°C
Humidity	Max. 95% (non-condensing)
Protection class	IP22

Connection overview



Part	Description
A	Mounting holes
B	'+' Positive alternator connection (M10 bolt connection)
C	'-' Minus alternator connection (M10 bolt connection)
D	'+' Positive battery system connection (M10 bolt connection)
E	'-' Minus battery system connection (M10 bolt connection)
F	Field driver fuse (ATC ≤ 32 VDC, ATO ≤ 32 VDC & FKS ATO ≤ 80 VDC), (≤ 20 A)
G	Main shunt
H	Alternator connector
I	IO connector
J	M12 CAN-Bus connectors
K	Status LED
L	Bluetooth On/Off switch

Dimensions

Dimensions in mm.



Ordering information

Product	Article number
MG AFC 300	MGAFC480300