

Alpha Pro MB



Product code: 45512000

The charge regulator measures the battery temperature and adjusts the charging process accordingly, resulting in a safe and fast charge. Therefore the battery is always kept in good condition.

- Suitable for 12 and 24 V.
- Including plug & play connection cable, an adapter cable for Bosch alternators is optional.
- Automatic voltage and temperature compensation.
- MasterBus compatible.

Alpha Pro MB: Easy to operate

Easy operation LEDs on the body of the charge regulator indicate the charge phase. The Alpha Pro MB is designed as a 'fit all' solution. Just one unit is needed for both 12 and 24 V applications, with a simple selector switch to set the regulator to the right voltage. The charge regulator can also be used on any other brand of alternator that has a standard Bosch connector, using a Bosch adapter cable (optional).

MasterBus connectivity

The Alpha Pro MB is compatible with MasterBus, allowing easy monitoring via a MasterView touchscreen. In a MasterBus system the voltage drop over the battery cable and the battery temperature is compensated automatically.

Benefits of a Mastervolt charge regulator

The Alpha Pro MB charge regulator maximizes the output of Mastervolt Alpha alternators or any other alternator by regulating the alternator in a way that the batteries receive the optimum charge. The proven 3-step+ charge method used by all Mastervolt battery chargers guarantees fast and safe charging of your batteries.

The Alpha Pro MB helps to cut emissions by requiring less run time because it maximises the power from any alternator. A battery can be charged quickly even at very low RPM, especially when connected to an Alpha series alternator. By connecting the Alpha alternator to a Battery Mate or battery isolator, several battery banks can be charged simultaneously.

Specifications

General specifications

Link to MasterShunt	yes
Connection to Mastervolt alternator	yes
Connection to Bosch alternator	yes, using a Bosch adapter cable (product code 45510500)
Nominal output voltage	12 V / 24 V
Cable length regulator/alternator	1.5 mtr oil resistant connection cable
Cable length temperature sensor	6 mtr
Connection plug regulator/alternator	Alpha/Mastervolt
Cooling	fanless
MasterBus powering	yes
Display/read-out	LED display
Dimensions, hxxwxd	90 x 109 x 30 mm 3.5 x 4.3 x 1.2 inch
Weight	0.4 kg 0.9 lb
Approvals	CE

Technical specifications

Charge characteristic	IUoUo, automatic / 3-step+ for gel/AGM/wet/Lithium Ion
Charge voltage Bulk	14.25 V / 28.5 V
Charge voltage Absorption	14.25 V / 28.5 V
Absorption time	4 hours, adjustable from 2 minutes to 12 hours
Charge voltage Float	13.25 V / 26.5 V
Temperature compensation	-30 mV / °C -17 mV / °F
Voltage compensation	voltage drop compensation in DC cables up to 3 V
Alternator type	various
MasterBus compatible	yes