



- Suitable for 12 and 24 V
- Including plug & play connection cable, also for Bosch alternators
- Automatic voltage and temperature compensation
- MasterBus compatible

Alpha Pro MB 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 charge regulator 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 unit can also be used on any other brand of alternator that has a standard Bosch connector, with a cable supplied as standard in the box. Easy operation LEDs on the body of the regulator indicate the charge phase.

The Alpha Pro MB is also fully connectable to the MasterBus CANBus system, allowing easy monitoring via a MasterView touch screen. In a MasterBus system the voltage drop over the battery cable will be compensated automatically, as well battery temperature, improving the charging time without having to install additional cabling.

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.



Alpha Pro MB, connection cable delivered as standard.



Plus connection cable for Bosch alternator.

Specifications Alpha Pro MB

Product code	45512000
GENERAL SPECIFICATIONS	
Link to MasterShunt	yes
Connection to Mastervolt alternator	yes
Connection to Bosch alternator	yes
Cooling	fanless
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
Display/read-out	LED display
Dimensions, hxxwxd	90x109x30 mm
Weight	0.4 kg
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
Voltage compensation	voltage drop compensation in DC cables
Alternator type	up to 3 V
Protection degree	various
MasterBus compatible	yes



Subject to alterations. For our complete product range please visit www.mastervolt.com/alternators