



CHARGEMASTER BATTERY CHARGERS

CHARGEMASTER BATTERY CHARGERS - 12V

The ChargeMaster is suitable for recreational and semi-professional use. Easy to install, it includes a detailed display and easy three-button controls. The ChargeMaster safely charges multiple battery banks at the same time (except model 12/10). 3STEP[®] charging memory ensures more power and a longer life for your batteries.



Part No.	M43011000	M43011500	M44010250
GENERAL SPECIFICATIONS	Model:		
Nominal Output Voltage:	12V	12V	12V
Total Charge Current:	10A at 14.25V	15A at 14.25V	25A at 13.25V
No. of Battery Outlets:	1	2	3
Charge Current Second Output:	n/a	15A	25A
Charge Current Third Output:	n/a	n/a	25A
Recommended Battery Capacity:	25 - 100Ah	30 - 150Ah	50 - 250Ah
Nominal Input Voltage:	----- 230V (180-265V) -50/60 Hz -----		120/230V (90-265V) -50/60 Hz
Supplies Your System Without Battery:	No	No	Yes
Display/read-out:	1 LED	1 LED	LED Display
Dimensions (H x W x D in mm):	180 x 121 x 50mm	206 x 121 x 50mm	234 x 132 x 60mm
Dimensions (H x W x D in inch):	7.1 x 4.8 x 2"	8.1 x 4.8 x 2"	9.2 x 5.2 x 2.4"
Weight:	1kg (2.2lbs)	1kg (2.2lbs)	1.8kg (4lbs)
Approvals:	----- CE, ABYC A-31 -----		See opposite page >>>
TECHNICAL SPECIFICATIONS	----- I UoUo, automatic / 3-step+ for gell/AGM/wet/Lithium Ion -----		
Charge Characteristic* :	----- I UoUo, automatic / 3-step+ for gell/AGM/wet/Lithium Ion -----		
Charge Voltage Bulk (25°C)**:	14.25V (6 hours)	14.25V (6 hours)	14.4V (8 hours)
Charge Voltage Absorption (25°C)**:	14.25V (6 hours)	14.25V (6 hours)	14.25V (4 hours)
Charge Voltage Float - wet (25°C)**:	13.25V	13.25V	13.25V
Charge Voltage Float - Gell/AGM (25°C)**:	13.8V	13.8V	13.8V
Temperature Compensation:	No	-30 mV/°C	-30 mV/°C
Voltage Compensation:	Automatic	Automatic	Automatic
DC Consumption:	< 1mA	< 1mA	< 2mA
Full Load Consumption (230V AC):	170W	250W	450W
Current Control Function:	No	No	No
Cos Phi:	> 0.95	> 0.95	≥ 0.98
Temperature Range (ambient temp.):	-25°C to 60°C, derating > 40°C		-25°C to 60°C, derating > 40°C
Cooling:	Natural Cooling	Vario fan	Vario fan
Sound Level:	< 30 dBA at 1m	< 52 dBA at 1m	< 52 dBA at 1m
Protection Degree:	IP65	IP21	IP23
Protections:	Over temperature, over load, short circuit, high battery, low battery		
MasterBus Compatible:	No	No	Yes

CONTROL PANELS / ACCESSORIES

See pages 29 - 30 for further information on Operating, Monitoring & Control Panels and pages 31 - 35 for MasterBus system

OPTIONS

MasterView Read-out (M77010050)	n/a	n/a	Option
Remote panel for reading the charge status of your battery charger, including error notifications (page 30)			
MasterView Easy (M77010305)	n/a	n/a	Option
Touch screen panel for reading charge status, current fold-back and/or reducing grid power consumption (page 30)			

* The charge characteristic can be set to your requirements.

** The battery charge current can sometimes be specified at 20 °C, so take temperature compensation into account.