



MC121045C

**4 Stage Automatic 12V
4500mA CALCIUM
BATTERY CHARGER
MCU Controlled**



“A specially designed battery charger custom made for charging calcium batteries. Delivers an additional charging mode to return calcium batteries to full service.”

FEATURES

Calcium Charging

Batteries that contain calcium in the battery plates require special charging when deeply discharged or after extensive use. Using traditional chargers on these batteries causes acid stratification in the electrolyte, resulting in a low specific gravity reading despite showing fully charged. The MC121045C incorporates an additional charging mode to remove the stratification and return the battery to full service.

Recovery Plus – Revives Heavily Sulphated Batteries

With the use of Recovery Plus technology, heavily sulphated batteries receive a high voltage charge prior to the 4 stage charge process. The high voltage charge helps to extend a battery's regular service life.

Superior 4 Stage Charging

An MCU (Micro Control Unit) chip provides c'Logix charging that delivers a 4 stage charge specifically for calcium batteries. The first stage, bulk (constant current), quickly charges the battery while the second stage, absorption (constant voltage), ensures that the battery is thoroughly charged. The third stage delivers a controlled charge to remove any acid stratification and returns a full hydrometer reading. The final stage, float, maintains the battery at a safe voltage allowing it to be maintained and ready for use indefinitely.

Heavy Duty Construction

Heavy duty design with a metal body and toroidal transformer delivers reliability and robust performance for harsh environments.

SPECIFICATIONS

PART NO.	MC121045C
TYPE	4 Stage Automatic
INPUT	240V, 50Hz, 130W
OUTPUT	4500mA Constant (Bulk)
CHARGE CONTROL	Bulk: 4500mA (up to 14.7V) Absorption: 14.7V Calcium: 2000mA (up to 16.0V) Float: 13.5V Start: 3.0V
APPROVALS	Electrical Safety, EMC

L.E.D CHARGE INDICATION

● RED LIGHT ON	Power on
● RED LIGHT FLASHING	Reverse connection
● AMBER LIGHT ON	Recovery Plus test
● AMBER LIGHT FLASHING	Recovery plus
● BLUE LIGHT ON	c'Logix and calcium charging
● GREEN LIGHT ON	Fully charged and in float mode, no need to turn the charger off

BATTERY CHARGE TIMES

MC121045C	VOLTAGE	BATTERY SIZE	CHARGE TIME
AUTOMOTIVE	12V	165–650CCA	6–24 hrs
MARINE	12V	200–700MCA	8–27 hrs
DEEP CYCLE	12V	17–80Ah	3–32 hrs