

12V/
10A

SMART MULTI-PURPOSE BATTERY CHARGER

BATTERY MAINTAINER MODEL-ICM10A



9

STEP

CHARGERS

1. Qualification

Initially ensures that the battery is in good condition prior to charge. As a safety measure charge process will not begin if battery is below 2.0V.

2. Soft Start

Soft Start is used when the charger has detected a battery at a very low initial state of charge. Voltage and current are delivered at specified rate to help the battery to recover prior to entering Pulse charge mode.

3. Pulse

Pulse mode provides a pulse charge to help the newly recovered battery to continue to accept charge as it enters the reconditioning phase.

4. Recondition

The reconditioning phase continues to work the battery at a slightly higher voltage and amperage to "re-activate" the battery plates for improved depth of charge and charge acceptance.

5. Bulk

With the battery now through Pulse and reconditioning phases and well on its way to full recovery, the bulk charge phase gives the battery constant current taking the battery up to 80% of its capacity.

6. Absorption

In the absorption phase the battery is given constant voltage while the charge current is gradually reduced according to raise of battery voltage.

7. Full

The charge will stop until the battery is 100% charged.

8. Analysis

Battery will now be checked to be sure that it is holding a charge properly and the charger will make a determination and pass the battery for service, or not.

9. Maintenance

The battery charger keeps under control the voltage of the battery.

Descriptions:

Jump monster is committed to providing professional charging solutions for all SLA lead-acid, AGM, LiON lithium batteries and other accumulators. To this end, with the increasing number of various types of boats in the market, JUMP MONSTER designs and develops professional boat chargers according to the market demand. Its three-way output design can output charging for three batteries at the same time. If only one battery is connected, the maximum charging current can reach 10Amp. If three batteries are connected, the average output current of each battery is 3Amp. The charging process is divided into 9 stages Electricity, can better protect and extend the battery life

It can charge not only boats, but also cars, motorcycles, trucks and more. In addition to personal use, but also suitable for repair workshop use, can be charged for three batteries at the same time, charging efficiency is higher, if encounter vulcanized battery, can also repair vulcanized, let the battery to restore vitality

Electrical Specifications:

Input Voltage	100-240V 50-60Hz
Power	120W MAX
Output Voltage	12V
Output Current	10A
Battery type	All SLA batteries (Wet, MF, AGM, GEL, and VRLA) plus LiON
Housing	Fire retardant plastic, IP65
Operation Temperature	-10°C to 45°C

Features / Functions / Benefits:

- 1) 3 bank output. The maximum current of a single line is 10A, and the current of each bank is 3A
- 2) 9 stage charging, more protection of battery life
- 3) The 12V/10A output can simultaneously charge up to three 150Ah batteries
- 4) Two-color LED lights indicate charging status
- 5) Battery status detection and polarity protection
- 6) The battery detection fails or does not respond
- 7) Fully automatic drip charging
- 8) Waterproof rating IP65
- 9) Overheat protection
- 10) Spark protection
- 11) SC/OL protection
- 12) Polarity detection

Applications:



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