

LA150XX SMART Battery Charger

User's Manual



July 2020 First Version

CAUTION

1. First of all, thank you for purchasing the LA150XX smart battery charger. Please keep this manual , this manual contains the important safety and operation instructions for the LA150XX smart battery charger.
2. Please read this manual carefully to avoid the risk of fire, electric shock injury or invalid warranty!
3. When charging, the battery will release explosive gas, which may be dangerous if exposed to flame and spark.
4. The charger is suitable for lead-acid/SLA/GEL/AGM...battery of 2 to 150Ah, and should not be used for any other purpose.
5. Keep good ventilation when charging, do not cover.
6. Do not use the accessories which not produced by our company to avoid injury caused by fire, electric shock or incompatibility.
7. Do not use the charger when the wire is damaged.
8. Never use the charger if it is severely hit, dropped or otherwise damaged.
9. Do not disassemble the charger. If repair or maintenance is required, please give the charger to qualified maintenance personnel. Improper disassembly and reassembly may result in fire or electric shock. If did, the product warranty is invalid.
10. In order to reduce the risk of electric shock, please unplug the charger from the AC outlet before attempting any maintenance or cleaning. Turning off the controller can reduce the risk.

Applicable type

LA150XX SMART Battery Charger can be used for 12V and 24V lead-acid/SLA/GEL/AGM... batteries . The product has the following options:

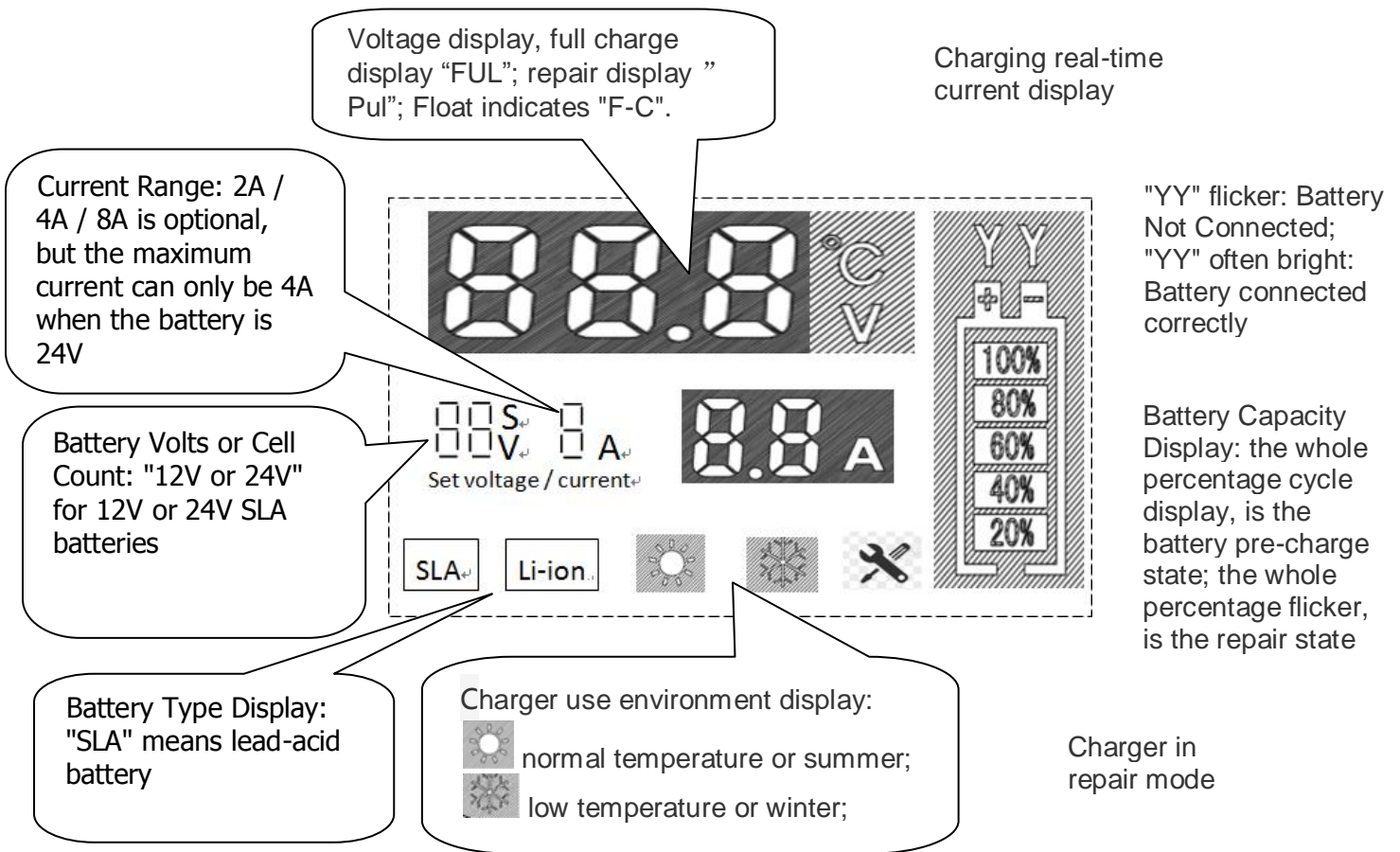
1. suitable for 12V and 24V lead-acid/SLA/GEL/AGM...battery charging;
2. When the battery voltage is below 7.5 v, the charger can not charge the battery! ! !

(please check the label on the charger before use to confirm whether the battery and charger match each other

Electrical parameters:

1. Input voltage: AC100 ~ 240V;
2. Input current: maximum 2.0A;
3. Input frequency: 50 ~ 60Hz;
4. Output voltage and current:
 - 1) 13.8V 2A/4A/8A;
 - 2) 27.6V2A/4A ;
5. Case size: 186 * 75 * 65 mm.

Display Description:



Brief description of charging process:

1. Lead acid battery charging: (automatic identification of 12V or 24V battery)
 - 1) First, determine whether the battery is 12V or 24V;
 - 2) pre charge the battery with low current, when the battery voltage reaches 11.5 V or above 22 V, charge the battery with high current; when the battery voltage is less than 10.5 V or 20 V, charge the battery in auto repair mode ;
 - 3) enter high voltage (14.4 V or 29.2 V) into charging;
 - 4) check the battery before floating charging, if the battery voltage drops too fast it will be in repair mode, if the voltage is stable it will be in floating charging state;
 - 5) When the charging current is less than the set value (the setting value of 2a and 4a is 0.3A; the setting value of 8a is 0.5A), the charging is stopped;

Usage:

The button can be selected 3 minutes before the charger is charged. After 3 minutes, all the buttons will be locked. To reselect, please disconnect the power and restart.

Charging current selection button

Manual repair select button

SLA battery or LI-ION battery selection button

(battery type)



(AMP)



REPAIR



1. First of all, the charger of the red clip on the positive battery, Black Clip on the negative battery; can also use other accessories and the positive and negative polarity of the battery connection correctly, plug in the AC input line, and then open the input switch button;
- 2, "MD1" : According to the battery type of choice is lead-acid batteries or lithium batteries;
- 3, "MD2" : According to the battery capacity of the choice of charging current;
- 4, "MD3" : means manual repair;
- 5, If the charger for single-charged lead-acid batteries or single-charged li-ion batteries does not have "MD2" and "MD3" selection buttons.

Simple trouble shooting

LCD screen is not bright	1, check whether the input line is inserted; re-insert; 2, input whether the switch is open; 3, check whether the fuse; replacement or repair;
YY SCINTILLATION	The battery is not connected, please connect the battery again
E1	Positive and negative polarity of the battery; red-black Connector Interchange;
E2	Battery voltage is less than 7.5 v, can not be charged, please replace the battery ;
E3	Output Short Circuit, please check whether the output line has broken skin;
E4	If several cycles of repair can not be normal, please replace the battery.