

Owner's Manual

CE

FY-1230A



The equipment is approved by following car manufacturers(China)



USERS' MANUAL

This manual contains safety and operating instructions.

Read it carefully before the device and keep it in a safe place for future reference.

Precaution:

- After charging, disconnect the charger from the outlet, then disconnect the clamp from the battery in the order indicated.
- Charging produces explosive gases. Avoid flame and sparks.
- Protect against rain and moisture.
- Always ensure the Red clamp is connected to the "+" battery terminal and Black clamp is connected to the "-" battery terminal.
- If the power cable or charging clamp is damaged, it must be replaced by the manufacturer or a qualified person.
- Avoid vibration and shock during use
- Never charge a frozen battery

Note:

- The fuse must be up to standard.
- Before charging, clean the battery and check its initial voltage

Principle:

During charging process, the value of charge current is subject to the type of battery that is being charged, usually 10% of its maximum current.

Time:

Depend upon the type of battery. Usually it refers to the calculation as follow:

Charge Time=Ampere Hour(Ah) of battery/Charge Current (A)

Also, the charge current will be decreased with the charge time. The whole charging process would be 1/4 longer than the value getting from the above formula.

The charger is able to charge one or more than one battery at the same time. The charge time will be extended accordingly, depending upon the number of batteries to be charged.

When charging the battery in the vehicle, take off the original clamp from the battery.

When starting the vehicle, the following two points should be noted:

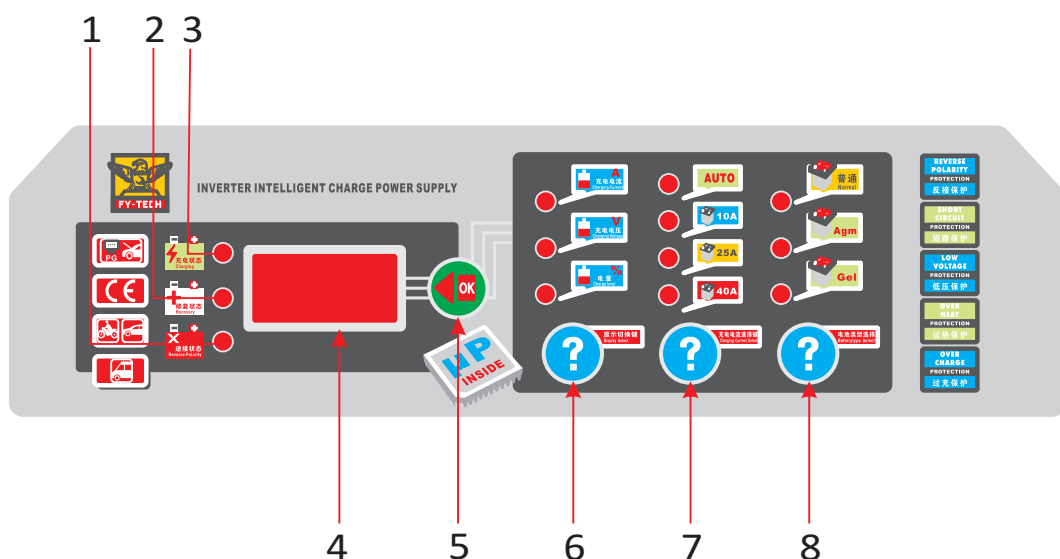
1. Quick charge the battery for 15 mins before starting the vehicle with high power engine.
2. When starting the diesel engine, the spark plug should be preheated. Ensure to connect the Black clamp "-" first and then connect the Red clamp "+".

Charge Mode:

1. Connect the clamps : Black clamp to "+" and Red clamp to "-" .
2. Connect the charger to the mains. Set the charge time and set the charge current.
3. Press "OK" button when there is no alarm, the charging indicator will light for 10s then the charger starts charging.
4. The charge current can be changed during the charge process.

Technical parameters

Specifications	UNIT	FY-1230A
Input voltage	V	220-240V
Frequency	Hz	50/60
Input power	W	500W
Maximum effective current	RMS	30A
Charge voltage	V	12
Battery capacity	Ah	10-400
Size	cm	38×32×12
Weight	kg	5.1



1. Reverse polarity indicator
2. Recovering indicator
3. Charging indicator
4. Display screen
5. OK button
6. Display select
7. Charging current select
8. Battery type select

Display codes:

- (1) E01: Unconnected with battery, poor contact or too low battery.
- (2) E02: Reverse polarity.
- (3) E05: Charging temperature is too high.
- (4) F04: Battery is full.
- (5) L01: Battery is too low.

Note:

1. Ensure the Red clamp is connected to the "+" battery terminal and Black clamp is connected to the "-" battery terminal.
2. If the battery is correctly connected but the display shows E01, press OK button and display select button at the same time to force the battery to start charging.

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