

# Battery Charger A02-1224B

## FEATURES

### Model:A02-1224B

- 1.Auto Identification Of 12V/24V Battery
- 2.LCD Screen Display
- 3.Three Phase Charging Mode
- 5.No Sparks Appear When Connecting The Battery
- 4.Reverse Connect ing Protection
- 6.OEM & ODM Are Acceptable



Model	A01-0612A	A02-1224A	A02-1224B
Input Voltage	170V-250V	170V-250V	
Apply to the battery voltage (DC)	6V / 12V Adaptive	12V / 24V (automatic recognition)	
Charger Current	2A, 4A, 6.9A or Auto Charging	2A, 4A, 6.9A	
AC input frequency	50HZ		
Charging mode	Three-phase		
Full load efficiency	≥87%		

### Product Features

## FEATURES

- 1. New three-stage smart charging (constant current, constant voltage and floating charge)
- 2. Reverse polarity protection, overcharge protection, short circuit protection.
- 3. Automatically identify charging voltage, output will be automatically closed when no battery connection.
- 4. Connect no spark, more safer.
- 5. Digital display shows charging current and voltage.
- 6. Prevent battery over-discharge, automatic repair function.
- 7. Adopt wide voltage: input voltage: 170V – 250V.

## PRODUCT PARAMETERS

Model: A02-1224B

Charging current: 2A, 4A, 6.9A

Apply to the battery voltage (DC): 12V / 24V (automatic recognition)

Rated input voltage (AC): 170V~250V

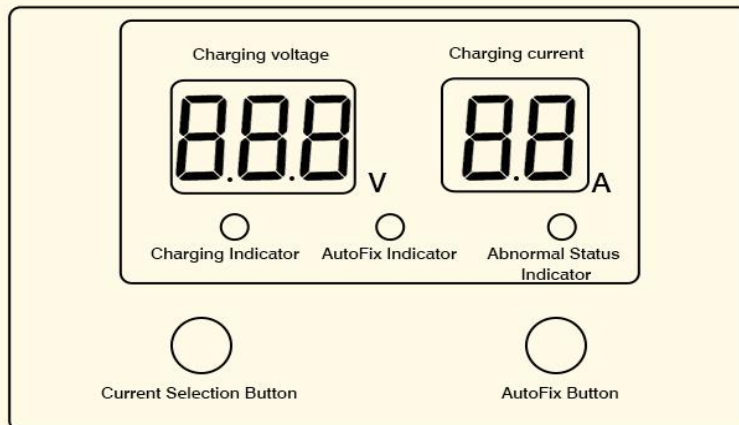
Rated frequency: 50Hz

Rated efficiency:  $\geq 87\%$

Mechanical shock and vibration resistance level: SAEJ1378



### LCD Display



#### Manual operation:

automatic charging options (by volume selection key): OU=2A Slow charge, OU=4A conventional charge, OU=6.9A Fast charge, automatic charge.

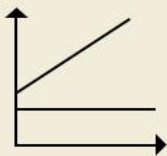
#### Repair charge:

press repair to display RE=ON means open repair, indicator light indicates repair start charging, RE= OF means closed repair (repair time is 90 minutes).

3. Capacity selection / repair switch: short pressing for electric current selection (OU = 1A, OU = 2A , OU = 4A, OU = 4A, OU = 6.9A, OU = AU Fully-automatic charge) ; Press 3 seconds for opening the repair function (display RE= ON) ; Repair indicator light is often said to start repairing charge, press 3 seconds again for closing the repair function (display RE= OF) ; When the charger is in the mode of repairing, short press can also turn to repair electric current, repair time is 90 minutes.

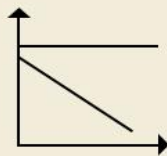


## CHARGING MODE: three-step charger



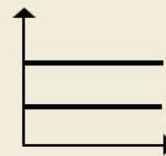
### Constant current mode:

When the voltage of the battery is lower than the value set by the charger, the charger will work under the constant current mode and supply the constant current for the battery.



### Constant voltage mode:

Using the pulse width modulation(PWM) tech to control the charging current and output voltage of the charger which ensures the battery is fully charged and avoids over charging.



### Floating charge mode:

When the voltage of the battery is approaching the value of the constant voltage mode, and the current will cut down to the given current gradually, that means the battery power is full, then the pilot lamp will turn green and the fan will stop working. The charger will turn the mode into floating charge mode automatically. At this moment, the battery can be stopped charging or keep on floating charge for half an hour.

### **Three-phase charging mode**

#### **Constant current mode:**

When the voltage of the battery is lower than the value set by the charger, the charger will work under the constant current mode and supply the constant current for the battery.

#### **Constant voltage mode:**

Using the pulse width modulation(PWM) tech to control the charging current and charging output voltage of the charger which ensures the battery is fully charged and avoids over

#### **Floating charge mode:**

When the voltage of the battery is approaching the value of the constant voltage mode, and the current will cut down to the given current gradually, that means the battery power is full, then the pilot lamp will turn green and the fan will stop working. At this moment, the battery can be stopped charging or keep on floating charge for half an hour.