



说明书材质要求: 105g 有光铜版纸	说明书成品尺寸: 105x143mm
第一: 专色+CMYK油墨要求: 1.K色油墨: 泗联黑墨	第二: 特别注意: 暂无
	 Black (单色印刷)
折叠方式: 风琴折 (20P 以下 用风琴折) / 骑马钉 (20P 以上 用骑马钉) 特殊情况: 16P/20P: 风琴折 + 对折	备注:

特别注意: 此页内容不印刷

风琴折 + 对折 页面顺序

16P 页面顺序

9	10	11	封面
12	13	14	封底

1	2	3	4
5	6	7	8

20P 页面顺序

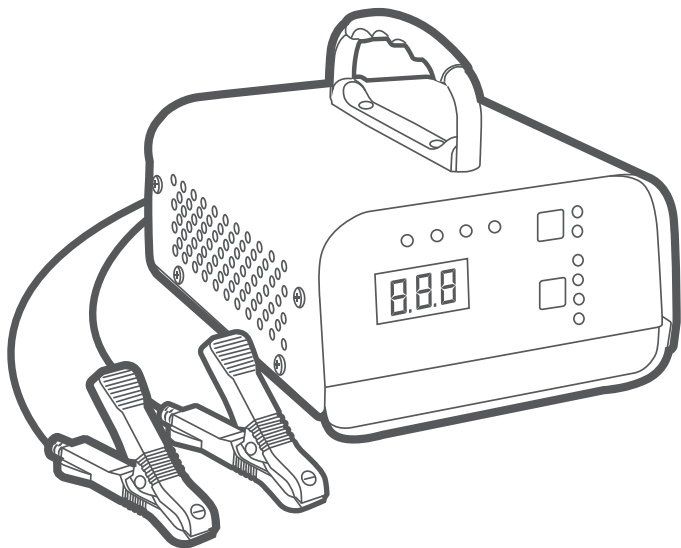
11	12	13	14	封面
15	16	17	18	封底

1	2	3	4	5
6	7	8	9	10

更改记录	1. 新制作			1. 删除封底T2A图标			1. 去掉货号UJDBY1A201		
	0124.J01	2024.1.12	CXY	0324.J02	2024.3.18	ZRR	0525.J03	2025.5.27	Ligeia
	版本号	日期	设计师	版本号	日期	设计师	版本号	日期	设计师

Jadever

INVERTER BATTERY CHARGER



JDBY1A201

**PRODUCT
MANUAL**

GENERAL SAFETY WARNINGS**Important safety instructions**

1. **SAVE THESE INSTRUCTIONS.** This manual contains important safety and operating instructions. You may need to refer to these instructions at a later date.
⚠ CAUTION! To reduce risk of injury, charge only wet cell, lead-acid, automotive type rechargeable batteries. Other types of batteries may burst causing personal injury and property damage.
2. **Do not** expose charger to rain or snow.
3. **Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire,** electric shock, or injury to persons.
4. **To reduce risk of damage to electric plug and cord,** pull by plug rather than cord when disconnecting charger.
5. **Make sure cord is located so that it will not be stepped on,** tripped over, or otherwise subjected to damage or stress.
6. **An extension cord should not be used unless absolutely necessary.** Use of improper extension cord could result in a risk of fire and electric shock. If an extension cord must be used, make sure:
 - a) That pins on plug of extension cord are the same number, size, and shape as those of plug on charger;
 - b) That extension cord is properly wired and in good electrical condition; and
If the length of the extension cord is less than 25 feet, use an 18AWG cord,
If 50 feet – 16AWG, 100 feet -16AWG, 150 feet - 14AWG.
7. **Do not** operate charger with damaged cord or plug, replace the cord or plug immediately.
8. **Do not** operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.
9. **Do not** disassemble charger; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
10. To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning. Turning off controls will not reduce this risk.
⚠ WARNING - RISK OF EXPLOSIVE GASES
 - a) **WORKING IN VICINITY OF A LEAD-ACID BATTERY IS DANGEROUS.**

BATTERIES GENERATE EXPLOSIVE GASES DURING NORMAL BATTERY OPERATION. FOR THIS REASON, IT IS OF UTMOST IMPORTANCE THAT EACH TIME BEFORE USING YOUR CHARGER, YOU READ THIS MANUAL AND FOLLOW THE INSTRUCTIONS EXACTLY.

- b) To reduce risk of battery explosion, follow these instructions and those published by battery manufacturer and manufacturer of any equipment you intend to use in vicinity of battery. Review cautionary marking on these products and on engine.

11. Personal precautions

- a) Someone should be within range of your voice or close enough to come to your aid when you work near a lead-acid battery.
- b) Have plenty of fresh water and soap nearby in case battery acid contacts skin, clothing, or eyes.
- c) Wear complete eye protection, and clothing protection. Avoid touching eyes while working near battery.
- d) If battery acid contacts skin or clothing, wash immediately with soap and water. If acid enter eye, immediately flood eye with running cold water for at least 10 minutes and get medical attention immediately.
- e) NEVER smoke or allow a spark or flame in vicinity of battery or engine.
- f) Be extra cautious to reduce risk of dropping a metal tool onto battery. It might spark or short circuit battery or other electrical part that may cause explosion.
- g) Remove personal metal items such as rings, bracelets, necklaces, and watches when working with a lead-acid battery. A lead-acid battery can produce a short circuit current high enough to weld a ring or the like to metal, causing a severe burn.
- h) Use charger for charging a LEAD-ACID battery only. It is not intended to supply power to a low-voltage electrical system other than in a starter motor application. Do not use battery charger for charging dry-cell batteries that are commonly used with home appliances. These batteries may burst and cause injury to persons and damage to property.
- i) NEVER charge a frozen battery.

12. Preparing to charge

- a) If necessary to remove battery from vehicle to charge, always remove the

grounded terminal from battery first. Make sure all accessories in the vehicle are off, so as not to cause an arc.

- b) Be sure area around battery is well ventilated while battery is being charged. Gas can be forcefully blown away by using a piece of cardboard or other non-metallic material as a fan.
- c) Clean battery terminals. Be careful to keep corrosion from coming in contact with eyes.
- d) Add distilled water in each cell until battery acid reaches level specified by battery manufacturer. This helps purge excessive gas from cells. Do not overfill. For a battery without cell caps, carefully follow manufacturer's recharging instructions.
- e) Study all the battery manufacturer's specific precautions such as removing or not removing cell caps while charging and recommended rates of charge.
- f) Determine voltage of battery by referring to car owner's manual and make sure that output voltage selector switch is set at correct voltage.
- g) If charger has adjustable charge rate, charge battery initially at lowest rate.

15. **Charger location**

- a) Locate charger as far away from battery as dc cables permit.
- b) Never place charger directly above battery being charged; gases from battery will corrode and damage charger.
- c) Never allow battery acid to drip on charger when reading gravity or filling battery.
- d) Do not operate charger in a closed-in area, or restrict ventilation in any way.
- e) Do not set a battery on top of charger.

16. **DC connection precautions**

- a) Connect and disconnect dc output clips only after setting any charger switches to off position and removing ac cord from electric outlet. Never allow clips to touch each other.
- b) Attach clips to battery posts and twist or rock back and forth several times to make a good connection. This tends to keep the clips from slipping off terminals and helps to reduce risk of sparking.

THE SYMBOLS IN INSTRUCTION MANUAL

EN60335-2-29	The standard of battery charger in Europe.
	Please read the instruction manual carefully before using.
	Transformer in single phase—Rectifier.
	Using indoors only.
IP20	Level of protection.
	The anode and cathode of battery.

ADDITIONAL SAFETY WARNING

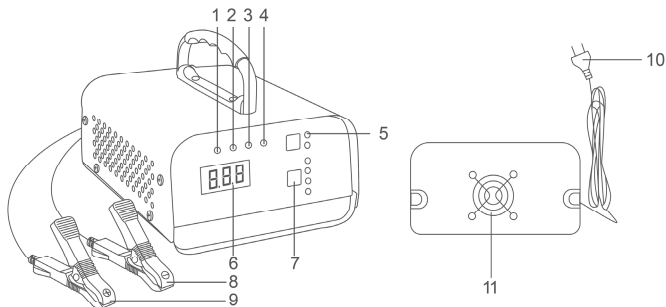
- a) The purpose of these safety regulations is to assure the safety operations of the charger machine and prevent the damage of the property and the physical injury.
- b) The safety issues have been fully considered during the design and manufacturing of the charger. Thus, the user shall read these safety rules carefully before using the charger.
- c) The operation of the charger contains some dangerous factors and the operator shall strictly follow the correct operation procedures. In order to avoid the grievous bodily injuries, the operator shall strictly observe the following rules:
 - d) Non-related people shall not get into the site of the charging operations;
 - e) The charger shall be installed, operated and maintained by the professional or people with the relevant experience.
 - f) The charging operation shall be done by the people who are familiar with the related safety operation technology.
 - g) The charger shall not be used for the purpose other than charging.
 - h) The input voltage shall be in conformity with the rated voltage described on the name plate;
 - i) The charger shall be placed on the plane surface. If it is placed on tilted surface,
 - j) measures shall be taken to prevent it from falling. In order to prevent the occurrence of fire, the user shall observe the following rules:
 - k) The cables for charging shall be fully insulated.
 - l) The accumulated dust may cause the deterioration of the insulation performance. Thus, the regular maintenance and repairing of the charger will be necessary. Danger! In order to prevent the electric shock, the following rules shall be observed: Touching the electrified body may cause death from electric shock.
 - m) Please don't contact the electrified parts.
 - n) The charger should be grounded by the technician in accordance with the related requirements before the charger is used.
 - o) Turn off and plug out the power for installing or repairing.
 - p) Please don't use the cables with insufficient capacity, damaged insulation.
 - q) Please don't operate the charger if the casing of the charger is dismantled.
 - r) The power must be turn off after the charging operation is finished.

- s) Please don't operate the charger in rain or humidity place.

INTENDED USE

A car battery charger is a device used to recharge the battery of a car when its voltage has dropped below a certain level. The main purpose of a car battery charger is to restore the battery to its full charge so that the car can start and run properly. The battery charger is designed for charging all types of lead-acid batteries.

SPECIFICATIONS



Components

- | | |
|--|--|
| 1. Power LED | 7. Charging current selection button ,
5A, 10A, 15A and 20A LED |
| 2. Charging LED | 8. Black charger clamp and cable |
| 3. Full Charging LED | 9. Red charger clamp and cable |
| 4. Reverse polarity protection LED | 10. Input power supply cable |
| 5. Battery voltage section button 12V/24V
LED | 11. Fan |
| 6. Display meter | |

Technical specifications

Model No.	JDBY1A201
Input voltage	220-240V~
Frequency	50/60Hz
Power	600W
Output current	12V: 10-300Ah 24V: 10-150Ah
Output rated voltage	DC 12V/24V

- Due to our continuing program of research and development, the specifications herein are subject to change without notice.

OPERATION

Ensure the battery charger is disconnected from the power supply.

Connect the red charger clamp to the positive terminal of the battery (+) symbol.

Connect the black charger clamp to the negative terminal of the battery (-) symbol.

Connect the plug of the charger into the AC mains power supply.

According to 12V or 24V voltage type of battery, select the corresponding 12V or 24V charging voltage mode.

5A ~ 20A (12V charging mode) or 5A ~ 10A (24V charging mode) charging current can be easily adjusted.

12V Charging mode – If the detected battery voltage is between 2V and 10.5V, the charging current is 1A (the above charging process is called the repair process).

If the charging time is more than 10 minutes and the detected battery voltage is still within the above range, the battery is damaged, the digital meter shows “Err” symbol, the alarm light or red LED is on, the two buttons cannot be operated.

If the detected battery voltage is greater than 10.5V within 10 minutes, the normal charging process is entered.

If the detected battery voltage is between 10.5V and 12.6V, 5A ~ 20A charging current can be adjusted or selected.

If the detected battery voltage is between 12.6V and 14.4V, charging current will be smaller.

When the battery is full charging, the green LED is lit. the digital meter shows FUL symbol.

24V charging mode – If the detected battery voltage is between 2V and 21V, the charging current is 1.5A (the above charging process is called the repair process).

If the charging time is more than 10 minutes and the detected battery voltage is still within the above range, the battery is damaged, the digital meter shows “Err” symbol, the alarm light or red LED is on, the two buttons cannot be operated.

If the detected battery voltage is greater than 21V within 10 minutes, the normal charging process is entered.

If the detected battery voltage is between 21V and 26V, 5A ~ 10A charging current can be adjusted or selected.

If the detected battery voltage is between 26V and 28.8V, charging current will be smaller.

When the battery is full charging, the green LED is lit. the digital meter shows FUL symbol.

Power indicator – yellow LED.

When Power supply is turned on, yellow LED is lit.

Charging indicator – yellow LED and green LED

When 12V or 24V battery is charging, the yellow LED is lit.

When battery is full charging, the green LED is lit.

Over-heating protection

When the power component of the charger is over-heating, the output of charging will be turned off.

When the temperature of the power component is reduced, the charger will work.

Reverse polarity protection

When the red charger clamp is connected to the negative terminal of the battery (-) symbol and the black charger clamp is connected to the positive terminal of the battery (+) symbol, the digital meter shows “Err” symbol, the alarm light or red LED is on, the two buttons cannot be operated.

Short circuit protection

When the red charger clamp is connected to the black charger clamp, the digital meter shows 0.0V, the alarm light or red LED is on, the two buttons cannot be operated.



   **Jadevermall**
www.jadevermall.com

KEYWAY TECHNOLOGY (NANTONG) CO., LTD
No.99, Gugang Road, Chongchuan District,
Nantong City, China
MADE IN CHINA 0525.J03

