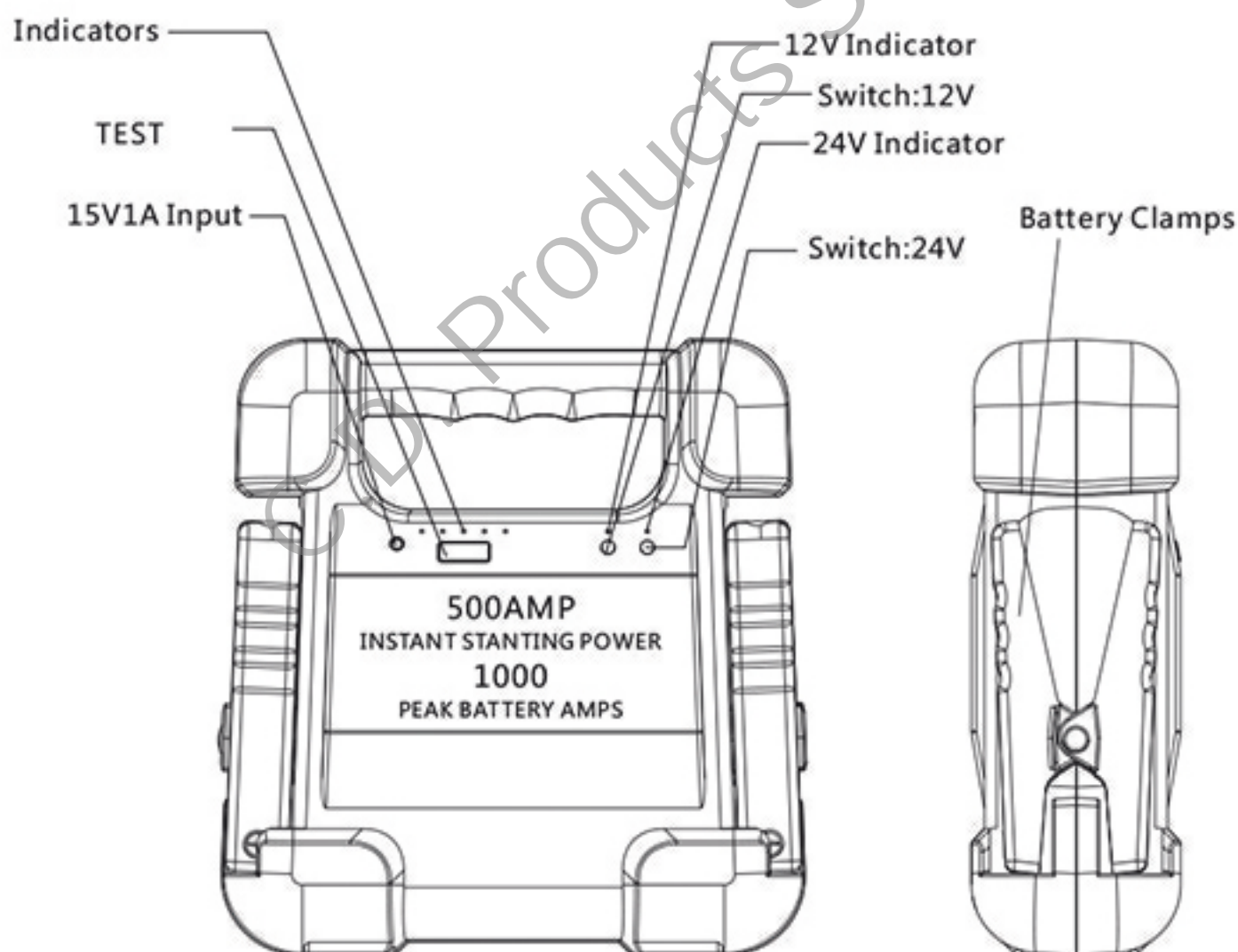


# 12V/24V Intelligent Jump Starter User Manual

Thank you for choosing the Jump Starter! Always follow basic safety precautions when using electrical appliances. Read all instructions carefully, Please keep this instruction manual for easy reference

## A. PRODUCT LAYOUT :



## B. OPERATION GUIDANCE

### Switch Instruction:

1. **【TEST】** :For checking battery storage level and unlock the host. Press **【TEST】** key to display the product quantity; press 3s to unlock.
2. **【Switch#12V/24V】** : For choosing the jump start voltage.
  - a.Press **【Switch:12V】** for 3 seconds, the 12Vindicator will lights up and ready for jumping start 12V vehicle.
  - b.Press **【Switch:24V】** for 3 seconds, the 24V indicator will lights up and ready for jumping start 24V vehicle.

### Storage Level Indicators

Press the switch to check the storage level of Jump Starter

Indicator	Unlit	5 Flashing	1 solid	2 solid	3 solid	4 solid	5 solid
Storage level	0%	10%	20%	40%	60%	80%	100%

The indicator will flash one by one during the period of charging. Different numbers of solid indicators show different storage level of Jump Starter. All indicators light off when the charging is completed.

#### 12V and 24V indicator:

- a. 12v or 24V indicator light on: mean the connected vehicle battery is 12V or 24V, the circuit is open. It can jump start the vehicle.
- b. 12V or 24V indicator flash: mean the connected vehicle battery is 12V or 24V, pls press the corresponding button for 3seconds. When the indicator light on, then start the vehicle within 30 seconds.
- c. 12V and 24V indicators flash alternately: mean the product can not identify the battery voltage automatically. People must judge the vehicle battery voltage, then press correct corresponding button for 3seconds. When the indicator is light on, then start the vehicle Within 30 seconds.
- d. 12V and 24V indicator lights flash at the same time: mean the



connection is mistake, should connect correctly, and then turn on the engine.

## Charging for the Jump Starter itself :

1. Plug the home adapter into the universal socket.
2. Connect 15V 1A input port of Jump Starter to the other end of home adapter.

## Jump Start Vehicle Instruction:

1. Make sure that the numbers of indicators is not less than 3 ones.
2. Connect the RED clamp to the vehicle's battery positive (+) terminal and connect the BALCK clamp to the vehicle's battery negative (-) terminal.
3. The jump starter will choose the 12V or 24V automatically, and 12V or 24V indicator will be light on accordingly.
4. Start the vehicle.
5. When the vehicle is started, remove the jumper cable from Jump Starter and disconnect RED and BALCK clamps from the vehicle battery. Leave the vehicle's engine running.



## Operation of 12V and 24V buttons:

Pls do not press the 12V or 24V button in normal jump start , only press it in the following abnormal situation.

1. When the jump starter connect to 24V truck, 24V indicator flash, only press the 24V button for 3seconds ,then start the truck within 30 seconds.

2. When the jump starter connect to 12V car, 12V indicator flash, only press the 12V button for 3seconds ,then start the truck within 30 seconds.
3. 12V and 24V indicators flash alternately after connect to a car, people must judge the car battery voltage is 12V or 24V, then press correct corresponding button for 3seconds , then start the car within 30 seconds.
4. When the car battery is completely power off or no testing, the indicator is not flicker after correct connection with positive and negative terminals, please press the corresponding button for 3seconds based on the car voltage ,then start the car within 30 seconds.

## C. PARTS LIST :

#	Parts Name	Quantity
1	Host	1
2	Home adapter	1
3	Car adapter	1
4	User Manual	1

## D. TECHNICAL SPECIFICATIONS :

Dimension :	235*225*80mm
Weight :	1660g
Battery Capacity:	24000mAh(88.8Wh)
Output:	12V Jump Start; 24V Jump Start
Starting Current :	12V $\approx$ 500A; 24V $\approx$ 250A
Peak Current :	12V $\approx$ 1000A; 24V $\approx$ 500A
Input :	15V $\approx$ 1A
Full charging time :	8 hours
Operating temperature :	-20°C~60°C/-4°F~140°F



## E. FAQ:

Q. How does the jump starter identify the car to be 12V or 24V?

A. Our jump starter can identify the car automatically in normal condition. But when the car battery is too low to identify, pls press the indicator three seconds (attention to the corresponding voltage) to start the car.

Q. What will the operator do when the jump starter can not identify the voltage automatically?

A. Pls ask for help from auto manufacturers or related professionals.

Q. How many times can this appliance to jump start the vehicle?

A. Normally it can jump start 12V vehicle approx. 30 times, can jump start 24V vehicle approx. 20 times.

Q. How long does it need to fully charge the jump starter?

A. Approx. 8 hours through the 15V1A input.

Q. How about the lifetime of this appliance?

A. About 3-5 years.

Q. How long can this appliance still jump start the vehicle after fully charged?

A. 6-12 months, however, we suggest you recharge it every 3 months.

## F. TROUBLE SHOOTING:

Finding	Cause	Remedies
No response when pressing the [TEST] switch button.	Low voltage protection of Jump Starter is started.	Plug the adapter into the 15V1A input port to activate.

12V&24V indicators are flashing at the same time.	The appliance would be locked up for self protection which means the short circuit may happen outside.	Unlock it with pushing the [TEST] for 3 seconds after the short circuit is removed.
12V/24V indication twinkle frequently when connect the product to auto battery.	Red and Black Clamp reverse connecting to the positive and negative of auto battery.	Check if reverse, solve it after correct

## G. TOXIC AND HARMFUL SUBSTANCES:

Composition and amount of toxic and harmful substances in EPOWER					
Pb	Hg	Cd	Cr(Vi)	PBB	PBDE
O	O	O	O	O	O
O : Indicate all homogeneous materials' hazardous substances content are below the MCV limit specified in the Standard 2002/95/EC(RoHS).					














## H. Warning:

1. Check the numbers of indicators is no less than 3 ones, if does, Don't attempt to jump start the vehicle.
2. Make sure the bottom at 【Switch:12V】 or 【Switch:24V】 before connect the battery clamps to vehicle battery.
3. DO NOT connect to 12V vehicle battery, if 24V indication lights up when press 24V button.
4. DO NOT connect to 24V vehicle battery, if 12V indication lights up when press 12V button.
5. When 12V/24V Indication lights, DO NOT connect auto battery positive and negative by mistake. Otherwise, it may lead dangerous!
6. DO NOT connect the two clamps at the any time. Otherwise, it may lead dangerous!
7. Remove the Jump Starter in 30s after the vehicle started when 12V/24V Indication lights.
8. Always check if the jumper clamps are well connected, check



if the vehicle battery connector is rusted or dirty, clean it before jumping start the vehicle. DO NOT jump start again after 3 attempts. Otherwise, it will damage the host. And Check your vehicle if it has other trouble.

9. DO NOT disassemble the host. Otherwise, it may be dangerous!

-  Always take care the appliance while using it.
-  Do not use by any child or infant
-  Do not use as a toy
-  Do not allow the appliance to become wet
-  Do not immerse the appliance in water
-  Do not operate the appliance in explosive atmospheres, such as in the presence of flammable liquids, gases or dust
-  Do not modify or disassemble the appliance Only a repair technician may repair this unit
-  Do not expose the appliance to heat
-  Do not storage it in locations where the temperature may exceed 70 °C
-  Only Charge it at ambient temperatures between 0 °C and 40 °C
-  Only Charge it with the charger provided with the appliance.
-  Under extreme conditions, battery leakage may occur. Carefully wipe the liquid off with cloth , and Please avoid skin contact when you notice liquid on the battery. In case of skin or eye contact, rinse immediately with clean water and seek medical attention
-  At the end of its useful life, discard the appliance with due care for our Environment

# I. WARRANTY INFORMATION:

1.We offer a limited warranty for this product against any defects in material and workmanship. The conditions of the warranty are as follows:

2.The warranty is only valid upon presentation of the original receipt (from dealer/retailer) by the original purchaser with the product to be repaired or replaced

3.The warranty is void if the serial number, date of purchase and label has been removed

4.The warranty does not cover damage or product failure resulting from normal wear and tear, physical abuse, improper installation, misuse, modification or repairs by unauthorized third parties

5.We do not assume responsibility for any loss or damage incurred during shipment or as a result of a force majeure

6.We are not liable for any incidental or consequential damages arising from the use or misuse of this product

7.All warranty claims are limited to repair or replacement of the defective product and at the sole discretion of us

8.If we repair or replace the product, the product will be covered for the remaining time of the original warranty period. Repair or replacement may involve the use of reconditioned units which are equivalent in function. Replaced part or product becomes the property of us

9.Consumable components such as batteries are not covered by the warranty

**The switch cables coming with the unit for testing ONLY,  
no commercial value, all rights reserved for the original designed company.**



Overcharge and  
Overdischarge Protection



Fuse Protection



Against-reverse Plug

Applied Standard : GB/T 18287-2000



The product is insured by Everest National Insurance Company