

# Multi-Function Power Source

## J400S User Manual



**REVOLNOUX**

### Introductions

Thank you for choosing “Multi-Function Power Source J400S”. This model uses “LiFePO4” Lithium battery. One important advantage over other lithium-ion products is their thermal and chemical stability, which improves more safety. Even if it is internally short-circuited, it prevents from causing a fire. Please read this instruction carefully before you make any operation on your vehicle.

### SAFETY PRECAUTIONS (strict observance is required)

This instruction manual contains the important contents to prevent harm to user or others and damage of property, and to use the instrument safely and correctly. Read this manual carefully and obey the contents after having understand the following terms and symbols.

■ The points where the following symbols are attached in this manual describe the degree of harm and damage that would be caused by incorrect usage due to neglect of this description.

#### WARNING

This symbol in this manual advises the user of an electrical shock hazard that could result in serious injury or even death.

#### CAUTION

This symbol in this manual advises the user of an electrical shock hazard that could cause injury or material damages.

#### WARNING

- Keep the appliance away from babies or children.
- After usage, always disconnect the Jumper cable from the host.
- After usage, put back in the carrying box.
- If there is electrolyte leakage or strange smell, immediately keep away from fire and stop using.
- If there is electrolyte leakage from the appliance, do not touch. If any electrolyte comes in contact with your skin or eyes, immediately wash with running water and consult with a doctor.
- Make sure Jumper cable, USB cables, or Cigar cable are fully inserted into the plug receptacle.
- If you find something abnormal in the products, stop using immediately.
- Make sure to use the supplied Jumper cable, USB cables, and Cigar cables. Otherwise it may cause unexpected accident, electric shock, fire or damage to the appliance or the vehicle.
- Use the appliance under well-ventilated environment.
- Do not use the faulty appliance. Using the faulty appliance may cause the unexpected accident, fire or electric shock.
- Do not use the appliance with the hands or Battery Clips wet.
- Do not use the appliance around inflammables such as gasoline or oil.
- Do not submerge the appliance in water, or expose it to rain or moisture.
- Do not drive the vehicles with the host connected to the battery.
- Do not get the appliance wet.
- Do not heat the appliance or put it in the fire or water.
- Do not use the cables when it's coating is damaged.
- Do not touch the Input and Output port with fingers or insert foreign objects into any port.

#### WARNING

- Do not place the appliance in any place where it will be subjected to direct sunlight, high temperatures or the inside of the sun-heated cars.
- Do not attempt to disassemble or modify the appliance. Fire, electric shock, or damage to the appliance may occur.
- Do not expose the appliance to temperatures over +45° C (113° F) or under -10° C (14° F) as this could decrease the performance of your battery.
- To avoid damage to the appliance, protect it from physical shock when transporting and handling. Be especially careful to avoid physical shock from dropping.
- Do not put the appliance in the microwave or High-pressure container.
- Keep the appliance away from your pet.
- Do not allow the two clamps to be short or connected to wrong terminals.
- Do not crank more than 3 seconds when Jump starting.
- Do not jump start again after 3 attempts. Otherwise, it will damage the product.
- When jump starting, make sure the battery indicator has 3 lights or more.
- When performing jump start in succession, leave an interval of 5 minutes or more. (If the battery of the Host is hot, temperature protection activates and jump start cannot be performed)
- Do not use the appliance against 24V battery vehicles. This appliance is only for 12V battery vehicles.
- Do not look directly into the flash light.
- Do not point the flash light at other persons' eyes.
- Do not use the appliance when you charge battery.
- Do not charge battery after the battery is fully charged.
- Be careful for your hands, gloves and clothes not to be caught in the engine belt or cooling fan.

### 1. PARTS LIST

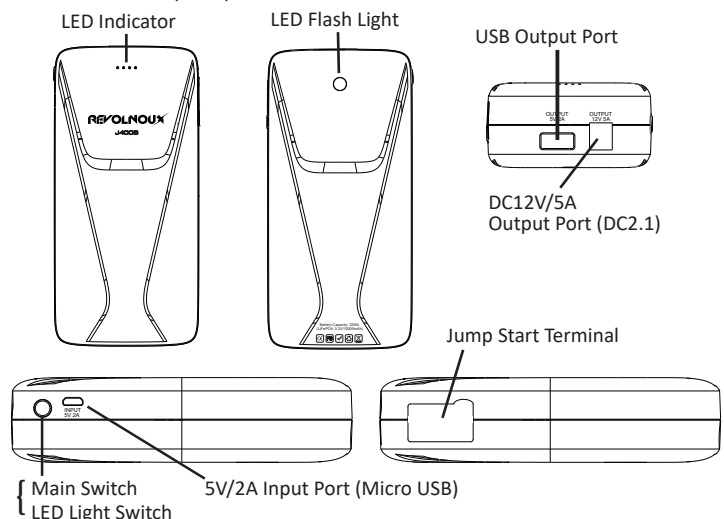
- |                      |       |                      |       |
|----------------------|-------|----------------------|-------|
| 1. Power source unit | — 1pc | 2. H901 Jumper cable | — 1pc |
| 3. H933 USB cable    | — 1pc | 4. Carrying Case     | — 1pc |
| 5. User manual       | — 1pc |                      |       |

### 2. SPECIFICATIONS

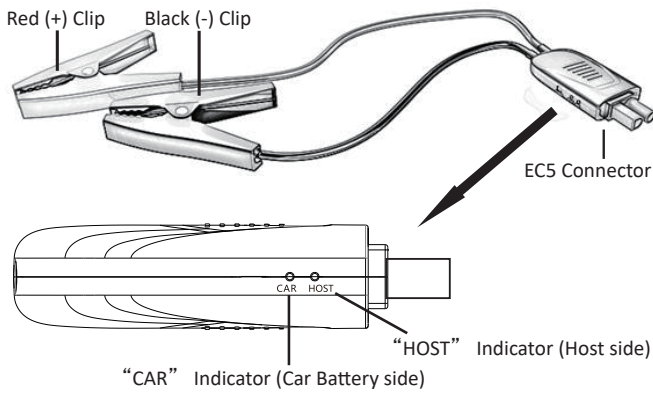
1. Battery Type: LiFePO4
2. Battery Capacity: 10000mAh (3.2V)
3. Output: DC12V/400A(peak) (for Jump start)  
DC12V/5A (for battery & memory back up etc.)  
DC5V 2.1A
4. Input: DC5V/2A
5. Jump Start Current: 200A (400A peak)
6. Suitable Vehicles: bellow 3.0 liter gas engines, 2.0 liter diesel engines  
(\*Engine size is approximate. Power requirement will vary with each vehicle)
7. Input Method: H933 USB cable
8. Charging Time: about 5-6 hours
9. Indicator Lights: 4 LED (25%/50%/75%/100%)
10. LED Light: Light / Flash Light / SOS
11. Battery Life Cycle: >1000 cycles
12. Operating Temperature: -10°C (14° F) ~ 45°C(113° F)
13. Charging Temperature: 0°C (32° F) ~ 40°C(104° F)
14. Storage Temperature: -10°C (14° F) ~ 45°C(113° F) (Humidity: bellow 70%)
15. Size: 140mm(H) x 67mm(W) x 34mm(D)
16. Weight: Approx.406g
17. Options: H906 OBDII back-up cable / H930 back-up cable / H932 Cigar cable
18. Approved: CE / FCC / Rohs

### 3. Learn About J400S

#### ■ Power Source (Host)



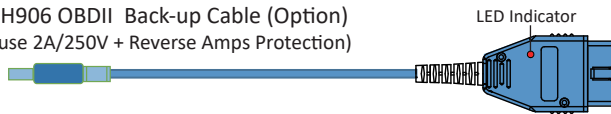
### H901 Jumper Cable



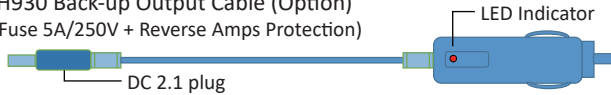
### H933 USB Output / Input Cable



### H906 OBDII Back-up Cable (Option) (Fuse 2A/250V + Reverse Amps Protection)



### H930 Back-up Output Cable (Option) (Fuse 5A/250V + Reverse Amps Protection)



### H932 Output Cable (Option)



## 4. OPERATION GUIDE

### 4-1. Main Switch and LED Light Switch

1. Press Main Switch to activate all of the Functions.
2. LED Indicator shows Power Level as below.

#### Power Level:

●●●●	100%	●	25%
●●●	75%	● (Flashing)	5%~1%
●●	50%	○ (No Light)	0%

### 4-2. LED Light

1. Press Main Switch more than 3 seconds. After LED light turns on, press the switch lightly. Light Mode changes as follows;



### 4-3. Jump Starting

## WARNING / CAUTION

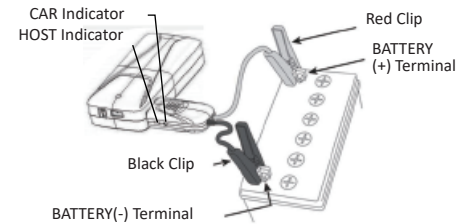
Please read Page 1 & 2 "SAFTY PRECAUTIONS" carefully before you start Jump Starting!

1. Press Main Switch and make sure the host's battery indicator has 3 lights or more.
2. Plug the EC5 connector of jumper cable into the jump start terminal. Then jumper cable starts to indicate the safety conditions of the Host and Car Battery (CAR). See as below;

No.	HOST	CAR	Buzzer	Power	Status	Solution
1	N	N	Long Sound	OFF	Temp is out of spec.	Use within specified temp range
2	Red	N	Long Sound	OFF	No battery power	Charge battery
3	Green	Red	Long Sound	OFF	Short circuit	Check (+) (-) Clip connections
4	Green	Red (Flash)	Long Sound	OFF	Revers polarity	Check (+) (-) Clip connections
5	Green	N	N	OFF	No car battery connections	Clip car battery
6	Green	N	N	OFF	Car BAT<1.5V	Remove Jumper Cable and finish jump start
7	Green	Green	N	ON	Car BAT 1.5V ~ 15V	Start engine

No.	HOST	CAR	Buzzer	Power	Status	Solution
8	Green	Green (Flash)	N	OFF	Reverse current	Remove Jumper Cable and finish jump start
9	Green	Yellow (Flash)	Long Sound	OFF	Car BAT>15V	24V Vehicle?
10	Yellow	Green	Long Sound	OFF	Over Load	Your vehicle is not suitable to boost
11	Green	N	Short Sound	OFF	Cranking time >3 sec	Your vehicle is not suitable to boost
12	Green	Green (Flash)	Short Sound	OFF	Time out 30sec	Try again
13	Green	Green (Flash)	N	OFF	Engine started	Remove Jumper Cable and finish jump start

3. Connect Red Clip to the positive(+) battery terminal and Black Clip to the negative(-) battery terminal.



4. When the power turns on, start engine within 30 seconds. Otherwise the power turns off automatically and make warning sounds for 30 seconds.
5. After the engine is started, firstly remove jumper Cable from the host, and next remove Black Clip and then Red Clip from the battery terminal.

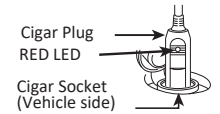
\*When engine is started successfully, the Jumper cable automatically protects the HOST from reverse current. (See above No. 13)

\*DO NOT connect the two clamps OR connect wrong terminals WHEN THE CONNECTION IS LIVE, otherwise It may damage the host.

### 4-4. Back-up Battery (Memory Saving)

1. Prepare H930 Back-up cable.
2. Turn off all of electronic devices such as room lumps.
3. Press Main Switch and connect DC2.1 plug to the host and connect Cigar plug to the vehicle. (RED LED indicator will turn on, when the connection of Back-up cable is alive)
4. Check the clock or other devices are turned on, which means connection of Vehicle side is alive. (If not, change the fuse in the Cigar plug)
5. Turn the ignition key to ACC position and you can replace the battery.

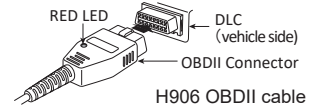
\*Some types of vehicle cannot back-up from the Cigar plug. Please use H906 OBDII Back-up cable.



H930 cable

\*When using H906 OBDII Back-up cable (Optional);

1. After No.2 above, press Main switch and connect DC2.1 plug to the host and OBDII plug to the vehicle.
2. Confirm RED LED indicator is turned on.
3. Replace the battery.



H906 OBDII cable

### 4-5. Charging a Phone, Tablet or USB Devices

1. Press Main Switch.
  2. Plug H933 USB connector into USB outlet on the host.
  3. Connect the Micro USB plug to the mobile, tablet or other USB devices.
- \*If the host does not start charging, press Main Switch to wake up the host.

### 4-6. Charging Battery

1. Plug H933 USB connector into the USB socket.
2. Connect Micro USB connector to the host.

## 5. STORAGE

1. Recharge your Power source every 6 month.
2. All batteries are affected by temperature. The ideal storage temperature is around 23 °C(73° F). Performance varies based on battery temperature conditions.

## 6. Warranty Information

J400S is warranted in its entirety against any defects of material or workmanship under normal use and service within a period of one year from the date of purchase of the original purchaser. Warranty service is available at AUTHORIZED SERVICE AGENCY through your local dealer. Their obligation under this warranty is limited to repairing or replacing product returned intact or in warrantable defect with proof of purchase and transport charges prepaid. AUTHORIZED DEALER and the manufacturer shall not be liable for any consequential damages, loss or otherwise. The foregoing warranty is exclusive and in lieu of all other warranties including any warranty of merchantability, whether expressed or implied. This warranty shall not apply to any instrument or other article of equipment which shall have been repaired or altered outside of AUTHORIZED SERVICE AGENCY, nor which have been subject to misuse, negligence, accident, incorrect repair by users, or any installation or use not in accordance with instructions provided by the manufacturer.