



# *BATTERY BOX*

*OWNER'S MANUAL & SAFETY INSTRUCTIONS*

PLEASE READ THIS MANUAL BEFORE USE

[www.licitti.com](http://www.licitti.com)

Dear Valued Customer,

Thank you for purchasing our Battery Box!

There is not battery in the Battery Box, you will need to purchase it separately.

Please read this manual before using the Battery Box. This manual contains information that describes the procedure for safe operation and maintenance, and prevents personal injury and product damage.

Sincerely

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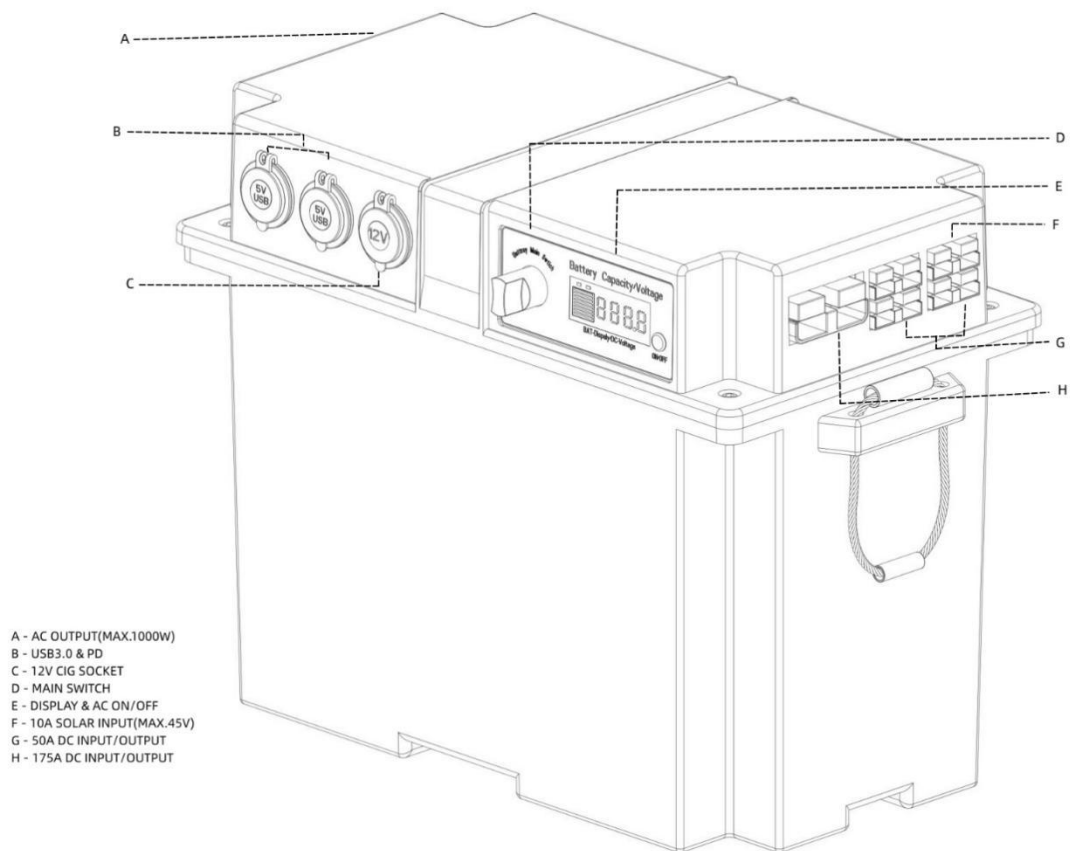
# 1. SPECIFICATIONS

## BOX DIMENSIONS

The X Battery Box external dimensions are L17.97\*W9.44\*H12.99in(L455\*W240\*H330mm). And its internal dimensions are L13.19\*W7.87\*H9.44in(L355\*W200\*H240mm).

## MAXIMUM CAPACITY

The rated maximum carry weight is 77lbs(35kg).



## **2. SAFETY INFORMATION**

- Please avoid falling off.
- Never connect positive terminal of Anderson plugs with negative terminal on the Battery Box.
- Do not let any metal objects fall into the Battery Box. This could cause a short circuit, and poses a risk to user.
- Please make sure all screws on the top of the Battery Box are tight, when using it.
- Please make sure the Battery Box hold tightly, when it's on the vehicle.
- Do not allow children to operate the Battery Box.
- Keep away from fire.
- Do not get wet of all ports or plugs. If it accidentally get wet, please turn off the Battery Box main power switch, and dry the box ASAP.
- Only use the Battery Box between the temperatures of -10°C to +50°C (-14°F to +122°F).

## **3. FIRST TIME USE**

### **BATTERY TYPE COFMPATIBILITY**

The Battery Box is compatible with 70AH to 130AH lead acid battery (Group 24, Group 27 & Group 31) & 70AH – 200AH Lithium battery etc.

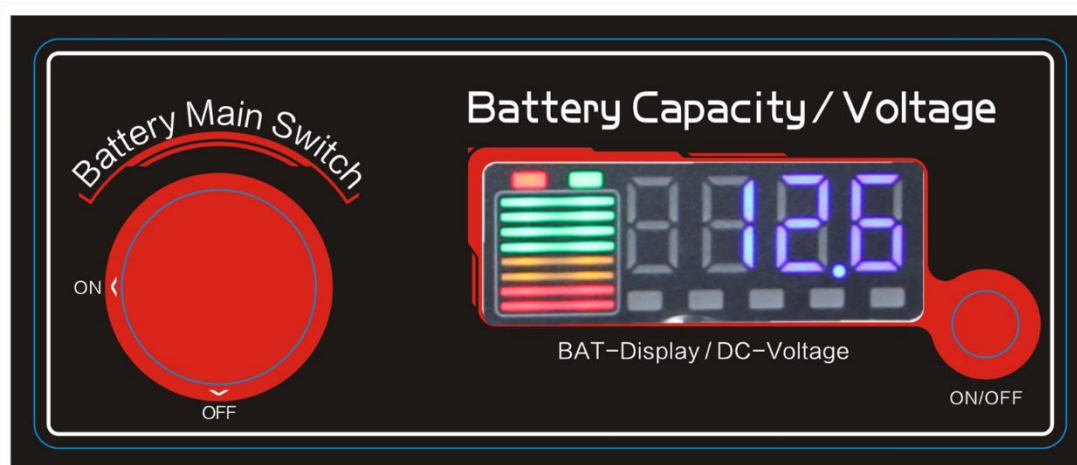
Normally the internal strap holds the battery very well. If a battery is too small and there is space left between the battery and Battery Box, please secure the battery by filling the space with Styrofoam, or nonconductive material.

## HOW TO USE THE MULTI-FUNCTIONAL DISPLAY

### Without Inverter Built-in (Without AC Output on The Battery Box)

The Multi-functional Display is designed to help the user to know the capacity of the battery and easily estimate the amount of usable charge left in the battery.

1. Once the battery is connected to the Battery Box, please turn on the Battery Main Switch.
2. Please press "ON/OFF" button to check the Battery capacity and Voltage.

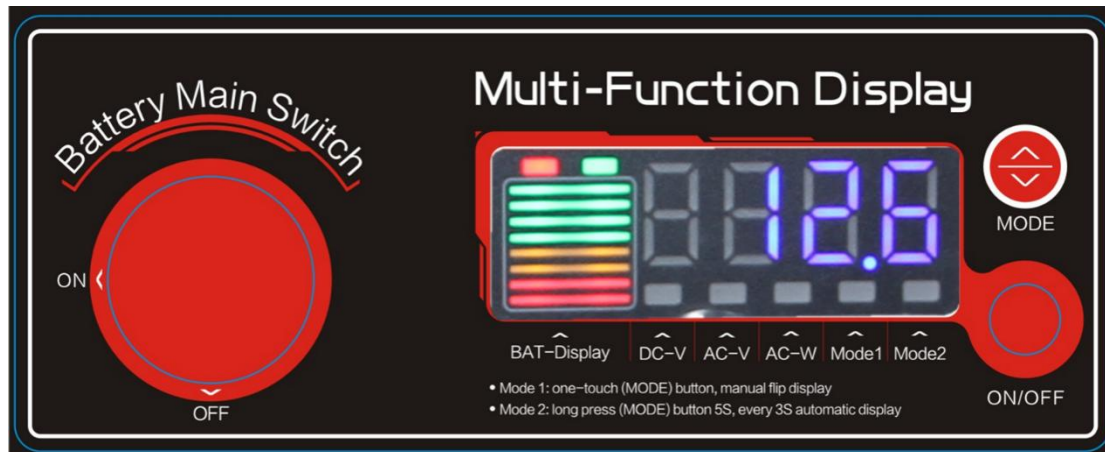


**When the voltage of battery is 13.0 volt or above, BAT-Display is full, which doesn't mean the battery charged 100% fully. Please charge the battery immediately, when BAT-Display goes down to red sector, or the voltage is 11.0V or less.**

### With Inverter Built-in (With AC Output & Fans on The Battery Box)

The Multi-functional Display is designed to help the user know the capacity of the battery and easily estimate the amount of usable charge left in the battery, and know the AC output voltage & AC output power.

1. Once the battery is connected to the Battery Box, please turn on the Battery Main Switch.
2. Please press "ON/OFF" button to turn on the inverter and display, to check the Battery Capacity and Voltage, AC Voltage and AC Power.



**When the voltage of battery is 13.0 volt or above, BAT-Display is full, which doesn't mean the battery charged 100% fully. Please charge the battery immediately, when BAT-Display goes down to red sector, or the voltage is 11.0V or less.**

**The value of AC-W(power) will be shown, when AC power is 30W or more.**

**NOTE: If using the Multi-functional Display while an externally connected device (such as a freezer) is still running, the measured output voltage of the battery will be lower than if it is not connected to any device. This is due to the electrical circuit and is not the fault of the Multi-functional Display. Please refer to the Multi-functional Display when the Battery Box is fully disconnected from all external devices.**

## **4. ANDERSON PLUGS AND ACCESSORY PLUG USE**

### **ANDERSON PLUGS USE**

The DC 12V Anderson plugs on the Battery Box are included to provide convenient access to DC 12V appliances and accessories such as DC fridge, DC TV, electric pumps, light kits and other outdoor products.

There are 5 \* Anderson plugs, including 1 \* 175A DC input/output, 3 \* 50A DC input/output, 1 \* 10A solar input(max.45V). 175A DC input/output can be used as jump start outlet for most of cars, or connecting external inverter (max 2000W). 3 \* 50A DC input/output can be used as input and output outlets, one of them can be installed with DC-DC charger or 50Amp VSR (voltage sensitive

relay) for vehicle charge.

**Note: Before doing the charge or discharge, please turn on the Battery Main Switch firstly. The charging current or discharging current of 50 Amp Anderson plug must be less than 50A, otherwise, the circuit breaker will be triggered and cut off the power.**

**CAUTION! The circuit breaker of 50Amp Anderson plug resets automatically, please check the connections and make sure the electrical fault in the circuit is fixed. The circuit breaker will be triggered again, if an electrical fault still exists.**

**Please avoid short circuit of any Anderson plug!**

### **USB PORT & OTHER SOCKET**

There are 2 \* USB3.0 & PD ports and 1 \* cigarette lighter sockets (against customized requirement) on the Battery Box to charge personal electronics.

**Note: Before charging your personal electronics, please turn on the Battery Main Switch firstly. The charging current must be less than 10A of each plug, otherwise, the circuit breaker will be triggered and cut off the power. A 30Amp fuse inside fuse holder need to be replaced by a new one, if over-current and it's broken.**

**CAUTION! Before replacing the circuit breaker, please check the connections and make sure the electrical fault in the circuit is fixed. The circuit breaker will be triggered again, if an electrical fault still exists.**

### **AC PORT USE**

When 1000w pure sine wave built-in (AC version), there is 1\*AC port (output: 110V 60Hz / 230V 50Hz) on the battery box, with two cooling fans.

**Note: The max power is 1000w, please avoid overload (0% -100% (continuous use) , 120% - 145% = 10S, ≤145% = 2S).**

**Please do not block the fan and keep the air duct clear.**

**For much more information, please contact with local distributor.**

**Thanks!**