

# Golf Cart Battery User Manual



**BAsen GREEN**

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## 1.1 Warnings and safety instructions

To prevent possible battery leakage, heat generation, and explosion, please observe the following warning:

### Warning!

- a. It is strictly forbidden to immerse the battery in seawater or water. When not in use, it should be placed in a cool and dry environment;
- b. It is strictly forbidden to reverse the positive and negative poles to use the battery;
- c. It is forbidden to use metal to directly connect the positive and negative electrodes of the battery to a short circuit;
- d. It is forbidden to transport or store batteries together with metals, such as hairpins, necklaces, etc.;
- e. It is forbidden to knock or throw, step on the battery, etc.;
- f. It is forbidden to directly weld the battery and pierce the battery with nails or other sharp objects.

## 1.2 Package Includes Items



Battery\*1



LCD Screen\*1



Battery charger\*1



M8\*12mm  
combination screws\*10

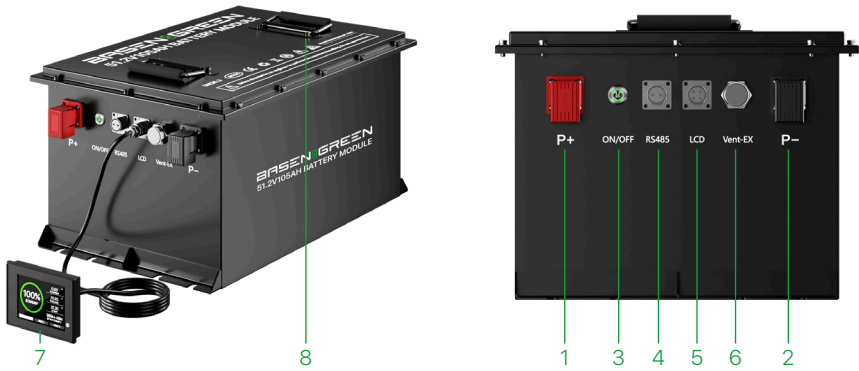


Waterproof switching M8 Cable



EU plug cable

### 1.3 Battery components overview



Position	Item	Description
1	P+	The positive terminal of the battery, can be connected to the positive pole of the inverter through a cable for DC output.
2	P-	The negative terminal of the battery, can be connected to the negative pole of the inverter through a cable for DC output.
3	Power switch	The switch for turn on/turn off the battery pack.
4	RS485	RS485 port for the inverter or the upper system communication
5	LCD	LCD Screen Interface
6	Vent-EX	Waterproof explosion-proof pressure relief valve
7	LCD Screen	Display battery voltage, SOC, temperature, etc.
8	Handle	Making it easier to move

## 1.4 Application scenarios

For Golf Carts, Sightseeing Cars, Patrol Cars, Low Speed Vehicle etc.



## 2.1 Specially Designed & LCD Touchscreen

Equipped with a 2.8-inch touch screen you can view and control the battery in real time on the LCD

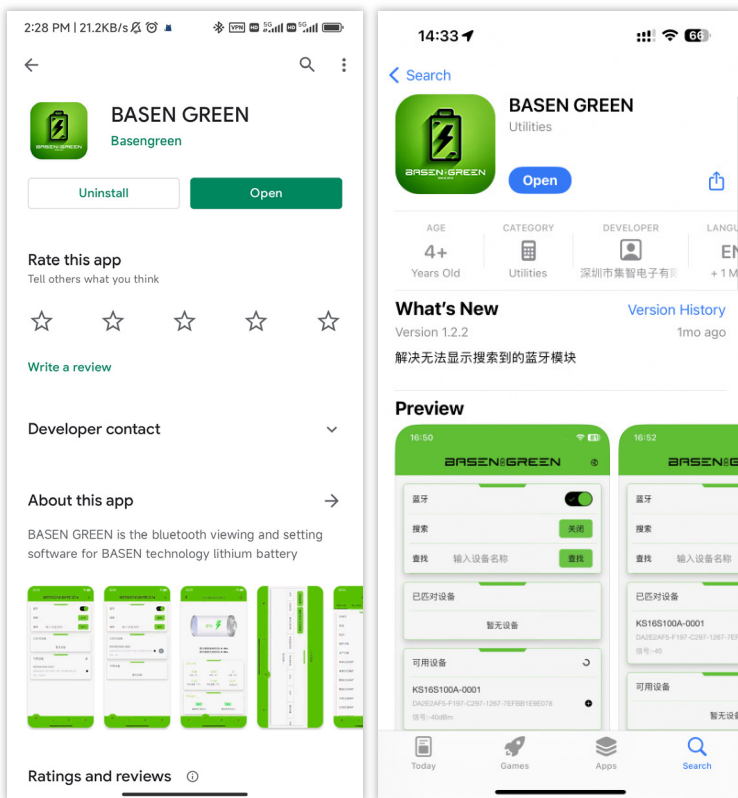


## 2.2. Mobile APP Monitoring

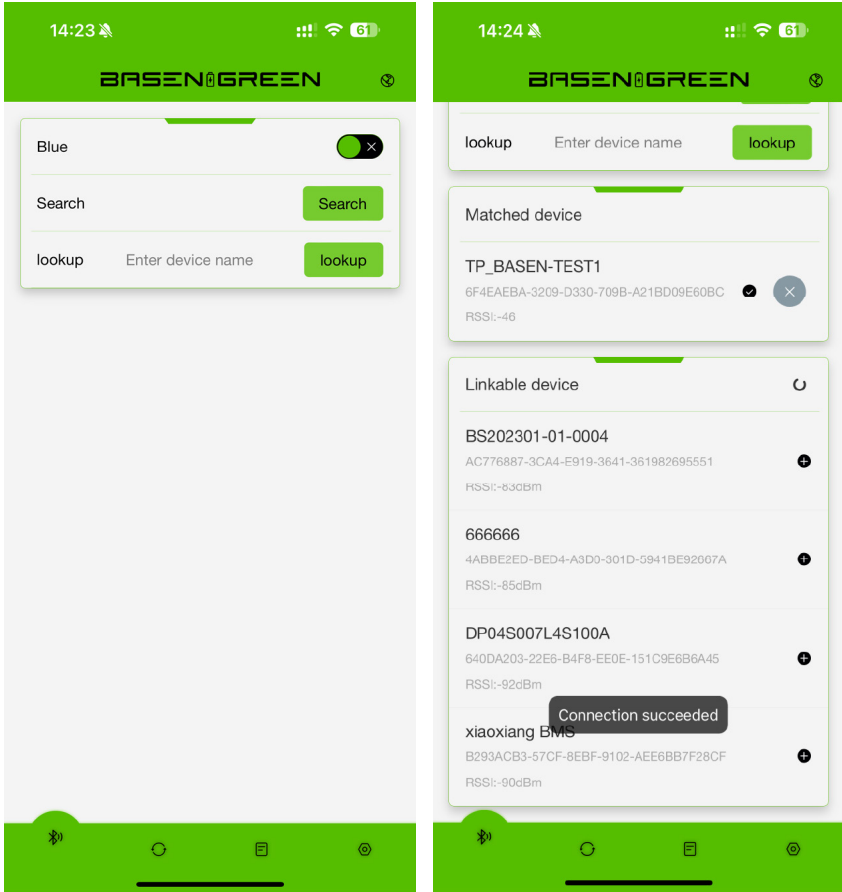
BasenGreen 48V golf cart batteries have added an APP function. Customers can connect the battery through Mobile APP, and read or control the battery's various data (SOC) in real-time.

### 2.2.1 Bluetooth

a. For Android users, please visit the Google Play Store and search for 'BASENGREEN'. For iOS users, go to the Apple Store and look up 'BASENGREEN'.



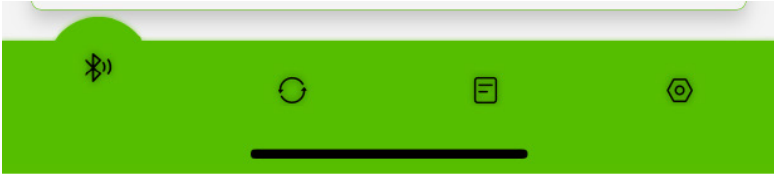
b. Turn on Bluetooth and search for the corresponding product's Bluetooth code



**NOTE:**

- 1.If you selected a battery to connect to and the app doesn't confirm the connection, it might be someone else is already connected to the battery. Only one device connects to the battery at the same time.
- 2.The Bluetooth app supports status monitoring only. It does not support any modified operation except communication protocol switching

## c. Menu



**Bluetooth list:** Check the Device list and connect it.

**Homepage:** Check the status of battery-SOC, Volt, Current, Temperature, etc.

**Historical Data:** Not available

**Setting:** Base Message: Check the pack voltage, current, cycle time, etc.

**Cell Voltage:** Check the cells voltage.

**Language:** English/Chinese switching.

**Fault Data:** Not available

**System Parameter:** Not available

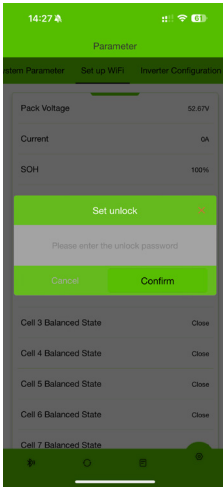
**Set up WiFi:** Setup WiFi function(Not available)

**Inverter configuration:** Communication protocol switching(Chapter 9.2)

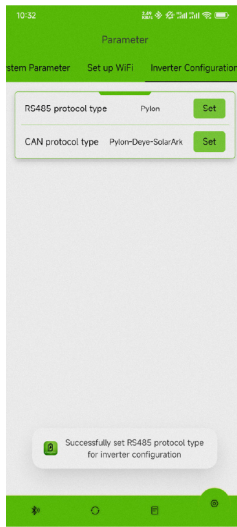
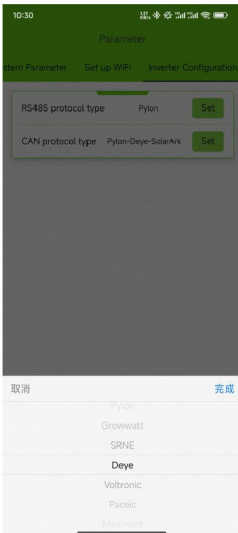


## 2.2.2 Operation of Communication Protocol Switch(Via Bluetooth App)

- Connect to the Bluetooth app first(Chapter 9.1)
- Swipe left to find 'Inverter Configuration'. Set unlock code is 888888



- Choose the communication protocol and set, the battery pack will be restart after few second with “bee” sound. Then set up is successful.



### 3.1 Power Button

The power button controls flow of power in and out of the battery. It functions as a safety device to allow for safe handling of the battery during installation and maintenance. It also serves as a way to completely disconnect the battery during storage to prevent unnecessary discharge over extended periods.

### 3.2 Battery Charger

Comes with a 58.4V 18A LiFePO4 charger, which supports fast charging.

DO NOT CONNECT DC OUTPUT CABLES TO BATTERY WITH REVERSE POLARITY. Doing so will cause irreversible damage and is not covered under warranty.

### 3.3 Charger Instructions

1. Connect the DC output ring terminals to the battery terminals.
2. Connect AC input to AC power.
3. Charger LED will blink red when charging and be steady green when complete.

### 3.4 Charger Indicator

1. Waiting Mode: LED (RED) OR (GREEN) flash
2. Capacity < 80%: LED (RED) flash
3. Capacity > 80%: LED (Yellow) flash
4. Capacity > 100%: LED (Green) light
5. Fulling Charge: LED (Green) on always

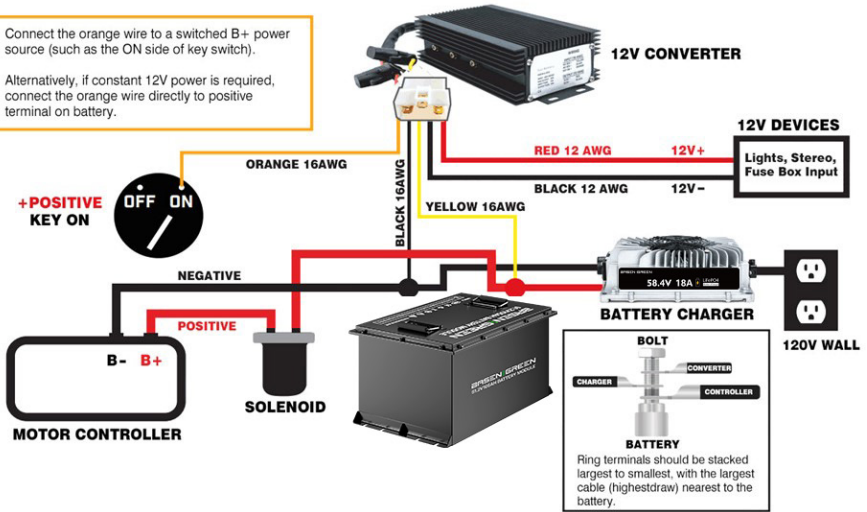
### 3.5 Charge Time

1. The charge time can be calculated by the formula below: Ah capacity of Battery / Charging Amps of Charger  
Example:  $105\text{Ah} / 18\text{A} = 5.8$  hours (assuming the battery is fully depleted)
2. The Battery charger is not a float charger or battery maintainer, and will not hold the battery at 100% after a charge. It is normal for the state of charge to drop as low as 70-80% before the charger begins a new cycle.
3. Battery no need to be completely discharged and charged with each use. Charging every day will not harm the battery and Topping off or partially charging to extend range is perfectly acceptable

### 4. How to Connect Battery in your Golf Cart:

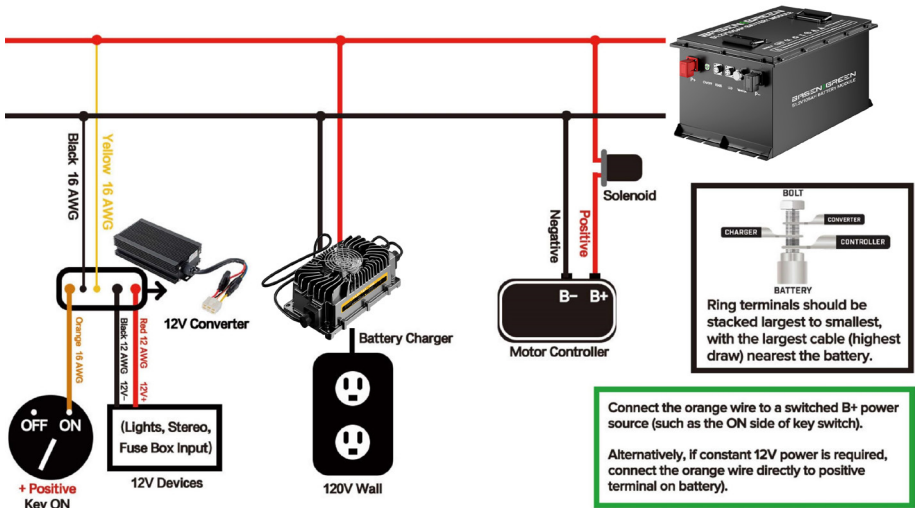
The power button controls flow of power in and out of the battery. It functions as a safety device to allow for safe handling of the battery during installation and maintenance. It also serves as a way to completely disconnect the battery during storage to prevent unnecessary discharge over extended periods.

Connect the orange wire to a switched B+ power source (such as the ON side of key switch).  
Alternatively, if constant 12V power is required, connect the orange wire directly to positive terminal on battery.



### 5. Battery Charging Precautions:

1. When the battery power is low, it should be charged in time to avoid long-time low-power operation. Special charger must be used when charging. Different types of chargers cannot be mixed. Before connecting the charger to the external power supply, confirm whether the grid voltage and frequency match the charger;
2. When charging and operating the battery, you need to wear rubber gloves for insulation protection.;
3. Make sure there is no foreign matter or water stain in the charger connector and battery connector before operation.
4. When the battery is connected with the charger, if it cannot be connected normally, it is necessary to confirm that the problem is eliminated before operation. Violent connection is strictly prohibited;
5. When charging starts, check to make sure that the battery is charging normally ;
6. When the battery is fully charged, it should stop charging in time. It is recommended not to charge the battery for a long time when there is no one.



## 6. After-sales protection precautions

Common problems handling According to the tips in this manual, organize professional engineering and technical personnel to carry out necessary treatment. If the abnormal state cannot be eliminated, please contact the relevant technical department or after-sales service department of the company in time to obtain professional technical support.

# Need additional information?

Just Contact BASEN!

## **BASEN GREEN**

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YOUR RELIABLE POWER



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