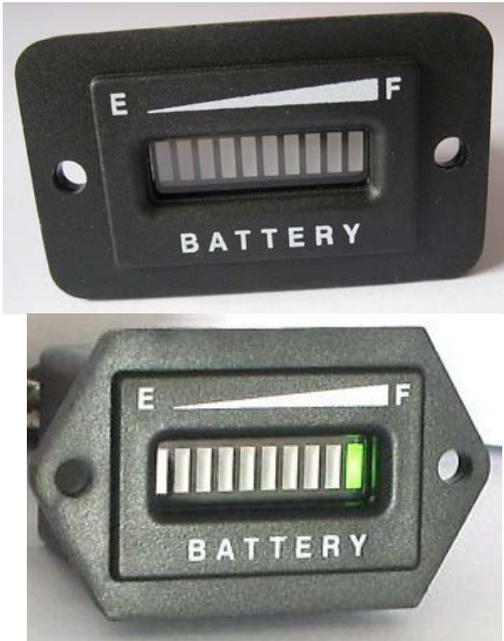# Battery Discharge indicator

■ Description

CHBDI is a high cost performance, easy to install Battery Chargemeter (BDI). It is completely solid state and provides a reliable, accurate, and easy to read display of battery state-of-charge.

This battery chargemeter is ideal for golf cars, hunting buggies, commercial leaning equipment, mobility aids, electric bicycles and other similar EV.

■ Features

This instrument is an indicator of static battery charge and discharge. Through multi-color LED show the battery's energy storage.

1. Has the power memory .
2. 2. LED brights downlink or uplink delay function, which can filter voltage moment fluctuations caused by battery charge and discharge
3. Open clear function. Once disconnect with battery and connect again, indicator will detect and indicator battery status.
4. Under-voltage protection. When the battery voltage is low, The indicator will turn off some of the internal electrical appliances (such as forklift upgrade function) by power rely inside

■ Battery Status

Display---Battery state-of- charge:10-bar,tri-color LED. LED colors: 1# is RED; 2#—3# is YELLOW; 4#----10# is GREEN.

○ The battery meter has 10 LEDS that will light to show the battery condition. When fully charged, only the 10th LED will light shown a green LED.

○ As the battery discharges, successively lower LEDs will light; the 9th, 8th, 7th and so on lighting only 1 LED.

○ At approximately 30% battery life, the #3 LED will light and the color is Yellow as a caution indicator.

○ At approximately 20% battery life remaining, the #2 LED will light as a **Flashing Yellow**.

○ When the battery discharges to approximately ~10% remaining life, the #1 LED will start FLASHING RED with the #2 LED FLASHING Yellow alternately.

○ It is recommended to have the battery or batteries recharged when the #3 LED lights **Yellow** as a safety margin to prevent dead batteries.

■ Terminals and Wiring

1(+):   Battery +   2(-):   Battery-

4(C):   Key Switch
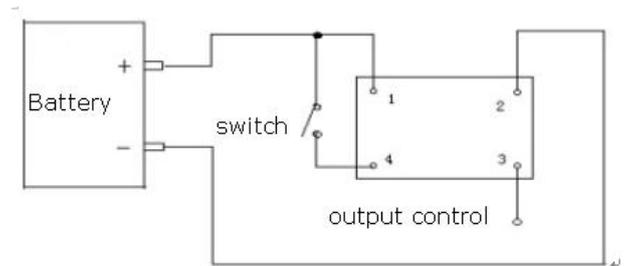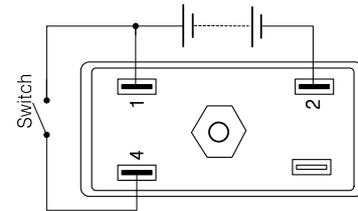
"+" to battery positive,

"–" to battery negative;

"C" to key switch then to battery positive