

# 4S 40A 16.8V

## INTRODUCTION

Product Name: 4 string 14.8V 16.8V 40A lithium battery protection board

Charging voltage: DC 16.8V~17V

Continuous discharge current: 40A maximum  
(if the heat dissipation environment is not good, please reduce the load current)

Continuous charging current: up to 20A

Balance Version Product size: 45\*60\*4mm

Enhance Version Product size: 44\*55\*4mm

Applicable choice: applicable to the nominal voltage of 3.7V, fully charged 4.2V lithium battery  
(including 18650, 26650, polymer lithium battery), can be drilled below 170W

## NOTE

Note 1: The successful start of the drill requires three 15C-20C power battery, or six 10C-15C power battery (ordinary 18650 can not start the drill!!).

Note 2: strictly according to map wiring 0V, 4.2V, 8.4V, 12.6V, 16.8V, do not deliberately short circuit.

Note 3: When the load of the brush motor is used, try to connect a non-polar capacitor (withstand voltage above 25V, capacity 10uF-100uF) to the motor's positive and negative terminals to prevent the reverse spike from the motor. Break the MOS tube.

Note 4: 4 groups of batteries in series, please ensure that the voltage of each group of batteries, if not the same, please fill each battery separately and then use in series. The The Discharge test, the voltage drop faster battery that group is poor battery.

The figure below shows the module discharge diagram. The battery is 4 strings. The connected battery needs to meet the 40A discharge current. It can be realized by paralleling the battery or purchasing a battery with a large discharge current. For example, the battery 2000mAH, the discharge multiple 10C, then only need 4 series 2 and the maximum current can reach the discharge current 40A, stable discharge requires 4 strings 4 and can be, and need to pay attention to heat dissipation, the discharge battery power will drop rapidly.