

DATE 1 OPEN / DIY SPOT WELDING BOARD, 12V STORAGE BATTERY, PCB DHJ6633

P/N: 210007

Users need to provide their own 12V battery power supply. The welding current approx. 90-130A, which is more than enough to weld common 0.1mm-0.12mm nickel plate.

Upgraded to automatic triggered design, do not need to press button for long time anymore, completely frees your hands.

System voltage: 12V-14.6V

Operating current: 90-150A

Battery recommended:

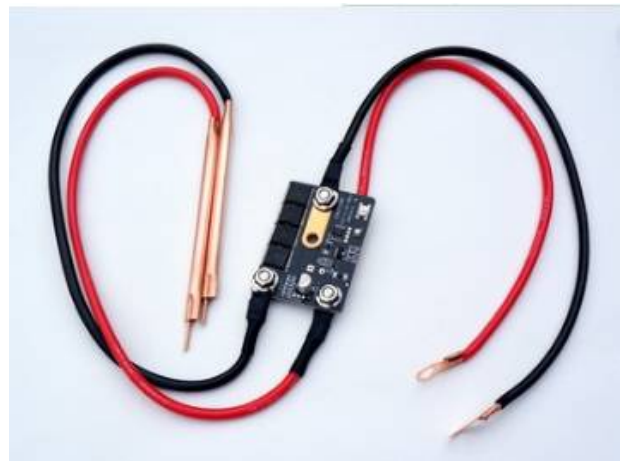
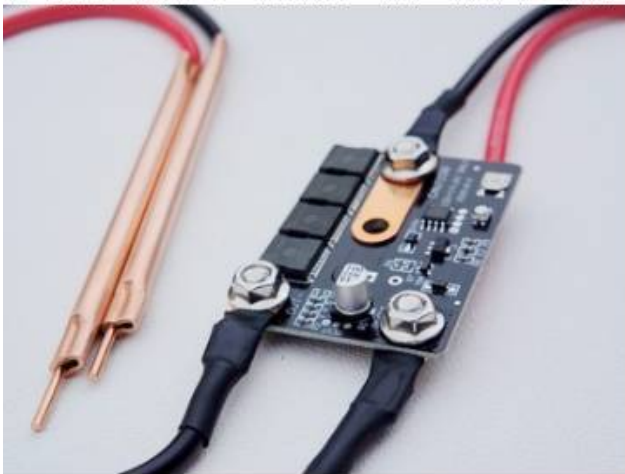
20-45ah lead acid battery with fine performance and small internal resistance.

3.5-5.5ah 3s 45C Li-polymer battery group.

30-35ah 18650 lithium battery group.

The battery group that can start the car can basically meet the power needs of this circuit.

Switch function: press the switch for 1.5 seconds to switch (green light: low power, yellow light: medium power, red light: high power)



Spot welding through a principle that large current local heating or cooling need enough current to supply.

The welding current approx 90-130A. which is more than enough to welding common 0.1mm-0.12mm

Input wire    Circuit board    Output wire and welding pen     $\geq$  150A.

Below battery groups can be working power supply:

Nickel plate    Copper wire ear    screw    Heat shrink tube

Aeromodelling 3S high multiple battery group,

3S lithium battery group,

40900 3S battery group,

greater than 12V 20A and fine performance lead acid battery.

## Power requirements

Spot welding is based on the principle of high current local rapid heating and cooling.

Need enough current supply, commonly used 0.1-0.15 nickel plate, tabbing wire.

About 90-150A, so that the working power supply of the circuit board must be greater than or equal to 150A.

## The following batteries can be used as a working power supply.

12V automobile starting power supply. Model Aircraft pack 3S high rate battery pack, three in series of high rate lithium battery pack, Hitachi 409003 battery pack, Lead acid battery with good high current performance, 12A 45Ah, Calculation formula: capacity x discharge rate = load capacity. Tacking 4000mA model aircraft batteries as ab example, the discharge rate is 45C (4Ax45C = 180A)

