



Model: 737B

Thank you for choosing Sunkko 737B battery spot welder, let's now make the building of Lithium battery pack for our ebike more convenient and efficient.



Summary

737B is our basic model which enjoys a good reputation and is highly evaluated by our beloved customers. It is specifically designed for battery welding (18650, 14500 and any other lithium batteries, etc) and can be used to weld nickel strips with thickness between 0.05 and 0.2 mm for nickel plated steel or between 0.05 and 0.15 mm for pure nickel strip. With the built-in LED light, you can even work at night.

This model can meet the basic needs of users for battery spot welding, is an entry-level product.

◆ Now let's talk about the welding part.

1. The 737B welder can weld nickel strip with thickness under 0.2mm for nickel plated steel, or 0.05 - 0.15 mm for pure nickel strip.
2. Two ways of welding: fixed welding head; fixed welding head with foot pedal.
You can build your battery pack with the fixed welding head, in this case, you need to adjust the pressure adjustor to make the spots more reliable and elegant.
Different users may have different welding habits, so we added a foot pedal to 737B. Coordinating hands and feet at the same time will also make the long-term spot welding process not so tiring, plus the use of foot pedal during battery welding improves the precision of spot welding.

In general, there are two methods to improve the output power of spot welding: adjusting welding current level through buttons or adjusting pulse quantity. You may need to play with them a bit to get the best combination for your specific use.

(Attention: This spot welder can be used to weld pure nickel, nickel plated steel, nickel plated iron, iron and other alloys. It CANNOT weld metal like copper and aluminum.)

Specification for welding part:

Input voltage: AC 110 V \pm 10%

Welding current: 50 ~ 800 A

Single pulse time: 5ms

Max. pulse quantity: 2

Max. power output: 2.88 KW (instantaneous)

Welding thickness for nickel plated steel: 0.05 ~ 0.2 mm

Welding thickness for pure nickel: 0.05 ~ 0.15 mm

Preparation steps before welding:

1. Fit the fixed welding head with copper welding rods before the machine powers on.
2. Turn on the power switch.
3. Adjust the pulse quantity and welding current level to make the spots more reliable and elegant.

How is the pressure knob works?

The pressure knob regulates the pressure between copper welding rods and nickel strip. Generally speaking, the thinner the nickel strip, the smaller the pressure. A proper pressure between nickel strip and welding rods can also make the spots more elegant.

◆ Packing List:

737B main machine: 1 pc

Copper welding rods: 2 pairs

Battery fixture: 1 pc

Foot Pedal: 1 pc

Fuse: 2 pcs

Hexagon wrench: 1 pc

0.1 x 4 x 100 mm (nickel plated) 30 pcs

0.15 x 5 x 100 mm (nickel plated) 30 pcs

Manual: 1pc

◆ Notice

1. When building battery pack with Sunkko welders, if the home circuit system keeps tripping, please replace your Circuit Air Breaker. For 110V version machine, the Circuit Air Breaker in your circuit system should be higher than 40 A. For 220V version machine, the Circuit Air Breaker in your circuit system should be higher than 30 A.
2. Please put on gloves and mask during your battery pack welding process to protect yourself (Sparks may occur during welding process).
3. Unplug the welder when you are not using the welder.
4. During your welding process, the instantaneous large current generated by the welder may cause the lighting equipment under the same power system flash and it is considered normal.
5. Do not short circuits during spot welding or charging.
6. Do not use Sunkko welders with a voltage transformer as Sunkko welders are not compatible with the common voltage transformers in the market.
7. Continuously spot weld too fast will speed up the loss of internal components of the spot welder. We recommend that the time between each spot welding should be 3 seconds or longer.

8. If you still have questions on sunkko products, please go to the [blog](#) category on <https://www.sunkko.net/> or email service@sunkko.net. We are happy to assist you.

[Warranty information](#)