

How thick is a nickel strip on a battery pack?

The nickel strip on the battery packs I have is approx 0.3mm thick and is nickel-coated steel strip. It is welded 4 times per cell per side (2 weld operations, 4 indents from the spot welding pins). The diameter of the indents is approximately 1mm or perhaps 0.8mm. My current approach: The pliers look like these:

How do you Weld a battery with a nickel strip?

Take side cutters and lift up the edge of the nickel strip. Rotate the side cutters and peel the strip away from the battery. This may take some force but remember to roll the side cutters and the welds will break. On the positive side of the cell only the center is positive. The outside perimeter is still negative.

How do you remove nickel strips from a circuit board?

After the welds are broken use a soldering iron to remove the nickel strips from the circuit board. The cells are held in with silicone, use a non conductive rod to push them out from the negative side. The cells are Moli IBR-18650B and they are rated at 1.5Ah, 25A

How do you solder a positive wire to a pack?

When you are connecting the large ground or positive wires to the pack you can try to solder them to the nickel strip on the pack or you can solder them to a scrap of nickel strip and then spot weld that strip to the pack.

How do you cut a nickel strip from a cell?

They use a large box-cutter type knife and a hammer to cut the existing nickel or nickel-steel strip from the individual cells. This is the kind of knife with snap-off blade segments. You want to use the large style, not the small ones. Place the group of cells flat (horizontally) on your work table.

How do I remove a battery pack?

Cover nearby cells with Kapton tape or electrical tape to prevent accidental shorts. Start by removing the 4 torx screws holding the shell together. Once the screws are removed there is nothing else holding the pack together. Turn the shell upside down and the batteries, battery holder and circuit board will come out as one piece.

18650 battery pack - How to remove (thick) nickel strip? Helpful? Please support me on Patreon: /roelvandepaar With thanks & praise to God, and with thanks to the many people who have made this ...

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Cylindrical battery nickel plate / strip / sheet / tape / belt, 0.15*27mm nickel tape, 18650 li-ion battery Ni strip, 99.7% Pure nickel strip nickel plate 0.12/015mm(thickness)*27mm(width) Application: The connecting piece ...

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I can't remember if they're soldered or spot welded or riveted to the board inside the controller. I think the contacts are soldered on but the easiest way to repair it would be to spot weld a piece of nickel strip to the existing broken off tab and bend it to shape.

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Amazon : Hailong EBike Battery Case SSE-077 Fit 65PCS 18650 Cells 48V Battery Box 13S5P Nickel Strip 13S 30A BMS for DIY Hailong 1-2 E-Bike Adult Electric Bike Battery Pack (48V Case+Nickel Strip+BMS) : Sports & Outdoors

Yes, I've tried to pull manufactured ones apart - they do exactly that. After my initial question I tried it with some nickel strip pulled from the dead battery pack - barely ...

As you can see, there is quite a bit to the process, a quick rundown of the process remove the cells from their packs, clean off the nickel strip, weed out the bad ones ...

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