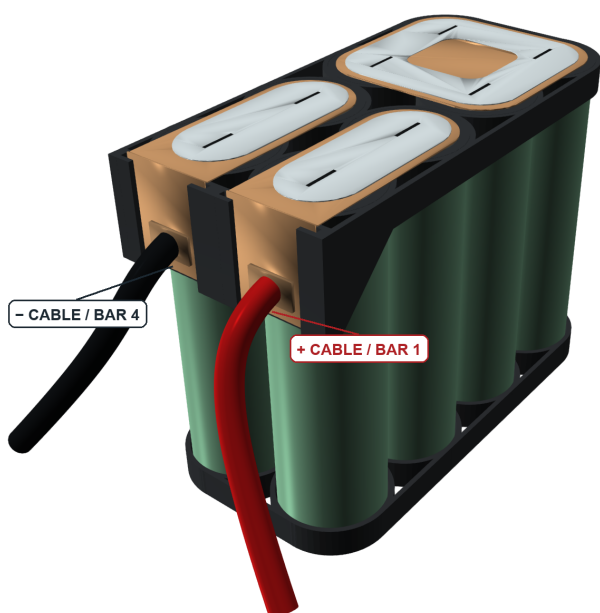


Place slotted stainless steel over the copper busbars on the 8-cell holder.

Cells shown installed for illustration: kit-only excludes cells; cell-inclusive option depends on selection.

FACE A

TOP HOLDER | CABLE SIDE



SQUARE COPPER BRIDGE

Slotted stainless frame over 3+ / 2-.

FRONT TERMINAL BARS

4- left / 1+ right; stainless over copper.

B- BAR 4

B+ BAR 1

Weld cables to the bare front copper bends.

FACE B

BASE HOLDER | OPPOSITE SIDE



TWO FOUR-CELL COPPER BARS

Four-cell stainless over each bar.

FROM NEAR EDGE TO FAR EDGE

Left: 3-, 3-, 4+, 4+

Right: 2+, 2+, 1-, 1-

Keep the two copper/stainless stacks apart.

CHECK BEFORE WELDING

Confirm the + / - end of every cell against the intended wiring layout.

Confirm adjacent copper/stainless stacks do not touch; insulate both cable joints.

Included JST balance connector: compatible smart charger only. No BMS included; JST does not replace a BMS.

PLANNING ESTIMATE | assembled core W x L x H: 47 x 95 x 72 mm | mass: 576-680 g

Modeled core: 21700 cells 67-75 g each + 5-10 g/cell hardware allowance; excludes leads, connector, BMS, wrap and shipping box.

CELL ORIENTATION

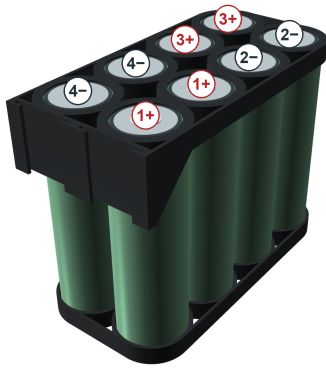
POSITIVE AND NEGATIVE ENDS

Orient all eight cells before installing any copper busbar.

Each circle below shows the series-position number and the visible terminal polarity.

3D VIEW

21700 CELLS BETWEEN TOP AND BOTTOM HOLDERS



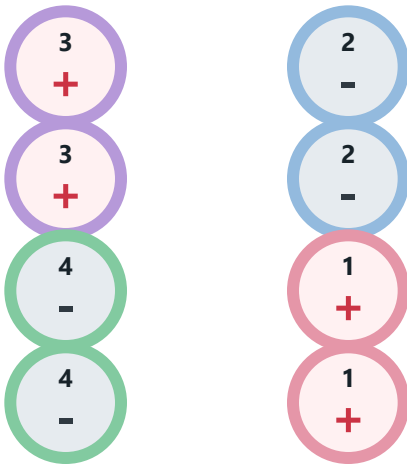
FACE A | TOP HOLDER



FACE B | BOTTOM HOLDER

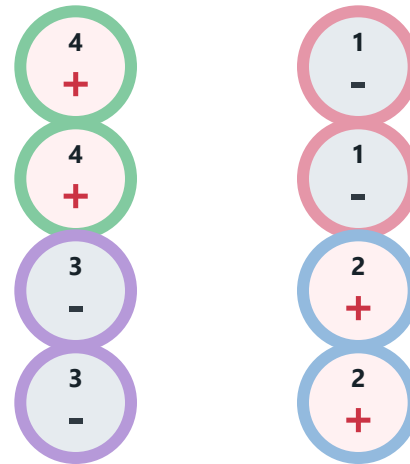
FACE A

Top Pos neg | 2 across x 4 down



FACE B

Bottom base | far end at top



POLARITY CHECK

Face A: 3+ / 2- at the bridge; 4- left and 1+ right at the cable bars.

Face B, near to far: left 3-, 3-, 4+, 4+; right 2+, 2+, 1-, 1-.

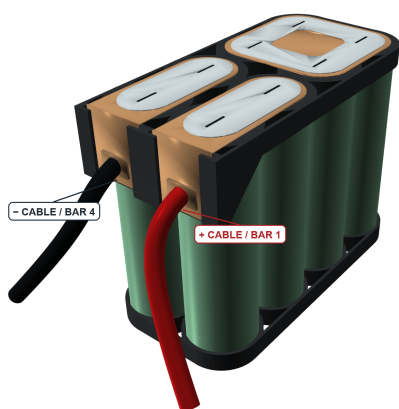
Verify every installed cell with a meter before fitting the busbars.

Check the supplied parts against this guide before placing the busbars.

21700 cell and cut-part illustrations show placement; follow the selected kit contents.

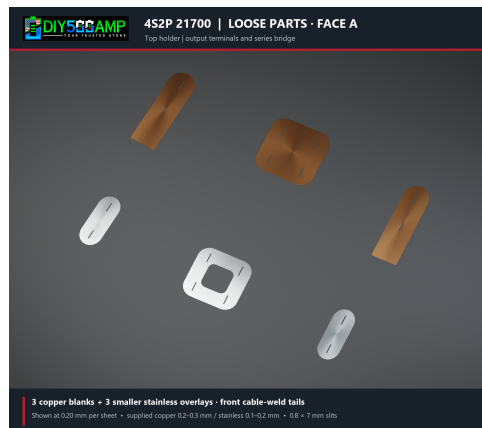
4S2P DXF-BASED PARTS

ASSEMBLED ORIENTATION



B+ red: front right. B- black: front left. Cell ends and holders are shown installed for illustration.

LOOSE CONTACT LAYERS



Face A sample; see page 4 for the full set. Smaller STAINLESS overlays COPPER for welding and corrosion resistance. Dry-fit the slits.

TWO CELL HOLDERS



TOP POS/NEG

BOTTOM BASE

Source holder STLs - 8 pockets

Paired trays, same pack outline

TWO POWER CABLES

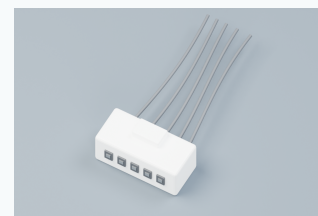


B- BLACK

B+ RED

6 in leads, 12 AWG or 10 AWG as selected. Both exit the pack front.

JST BALANCE + PVC



5-position balance lead

JST for compatible smart chargers only. Clear PVC cover and printed guide included.

INSTALLATION ORDER

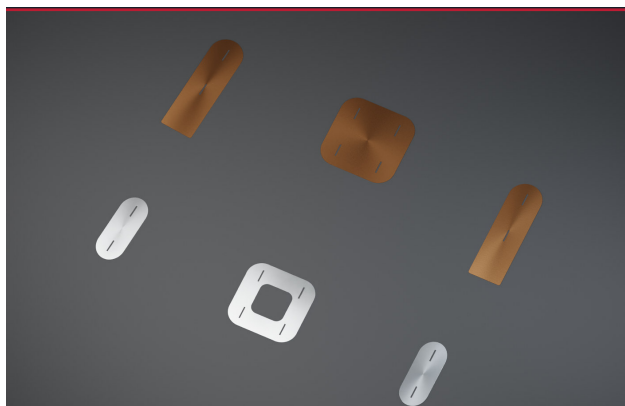
- 1 Orient every cell and verify + / - at both faces before fitting metal.
- 2 Seat each copper busbar on its matching cell group; align every 0.8 x 7 mm slit.
- 3 Place the smaller slotted stainless contact over copper, then weld at cell ends.
- 4 Weld red B+ right / black B- left at the front copper bends; insulate and cover.

DIY kit: cells not included unless a cell-inclusive option is selected. No BMS; the JST lead is for compatible smart chargers only.

Count and dry-fit both faces of the 4S2P metal set before welding.

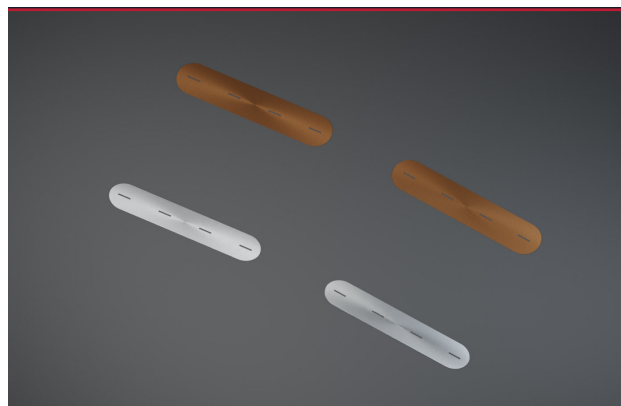
Parts below follow archived DXF outlines with obsolete side tabs removed; compare to the supplied kit.

FACE A | TOP POS/NEG TRAY



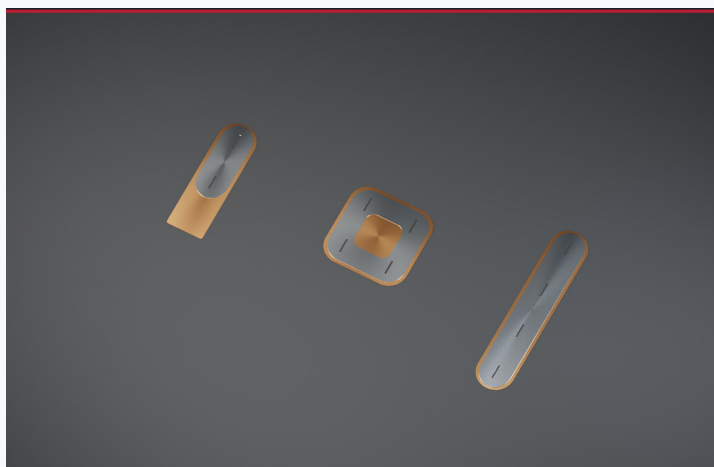
3 copper blanks + 3 smaller stainless pieces

FACE B | BOTTOM BASE TRAY



2 long copper bars + 2 stainless pieces

LAYER FIT AT THE CELL CONTACTS



STAINLESS OVER COPPER

Silver stainless stays inside the bronze copper outline.

The front copper bend stays bare for the cable weld.

Both sheets are depicted at 0.20 mm; actual gauge follows the selected option.

4S2P PARTS CHECK

Total: 5 copper pieces + 5 smaller stainless overlays, fitted on the two holder faces.

Dry-fit copper and stainless slits over the actual cell ends before welding.

B+ red: front right copper bend. B- black: front left copper bend.