

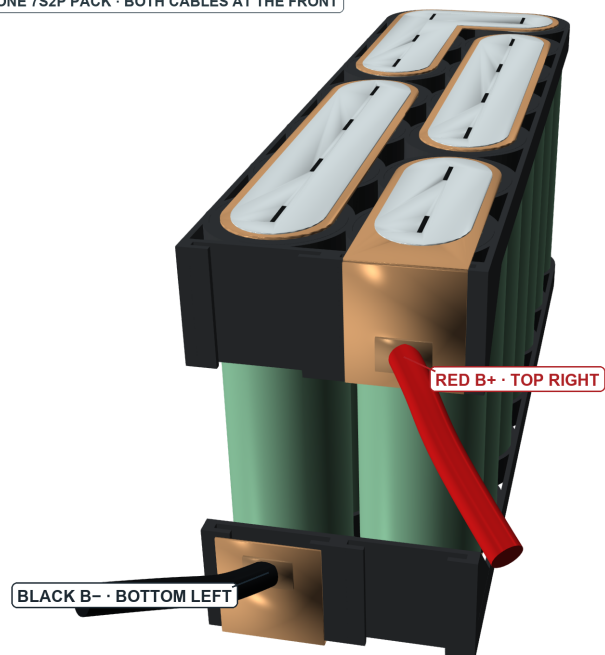
Both cables leave the SAME physical front: red top right, black bottom left.

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

FRONT VIEW

ONE PACK | BOTH CABLES

ONE 7S2P PACK · BOTH CABLES AT THE FRONT



Red B+ top right; black B- bottom left.

Right: G2-G3 long bar. Left: G6-G7 long bar.

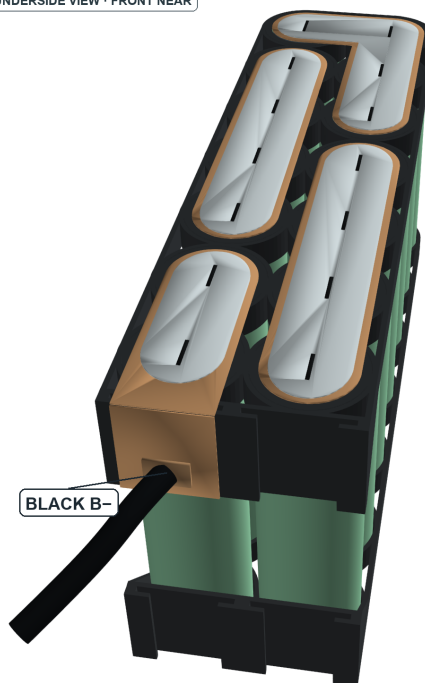
Far L bridge joins G4- to G5+.

Stainless steel sits directly over each copper pad.

FACE B

BOTTOM POS/NEG TRAY | BLACK B- LEFT

UNDERSIDE VIEW · FRONT NEAR



Black B- terminal on G7 at the front left.

Right: G1-G2 long bar. Left: G5-G6 long bar.

Far L bridge joins G3- to G4+.

Align stainless slits over each cell end.

CHECK BEFORE WELDING

Confirm every cell end with a meter before placing the copper/stainless stack.

Keep separate busbars from touching; insulate each cable joint and exposed edge.

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 163 x 72 mm | mass: 1,008-1,190 g

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

Copper 0.2-0.3 mm; confirm stainless gauge. Centered 0.8 x 7 mm slits in both layers. Check the supplied material and thickness.

CELL ORIENTATION

POSITIVE AND NEGATIVE ENDS

Orient all 14 21700 cells before fitting a busbar.

Face B is an underside reference preserving physical left/right at the cable end.

3D VIEW

21700 CELLS BETWEEN THE TWO HOLDER FACES



FACE A | TOP

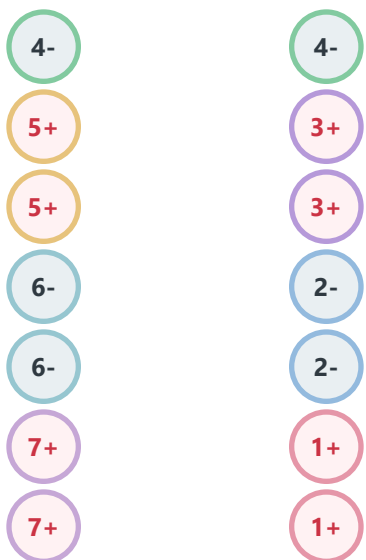


FACE B | UNDERSIDE

FACE A

TOP POS/NEG

FAR END

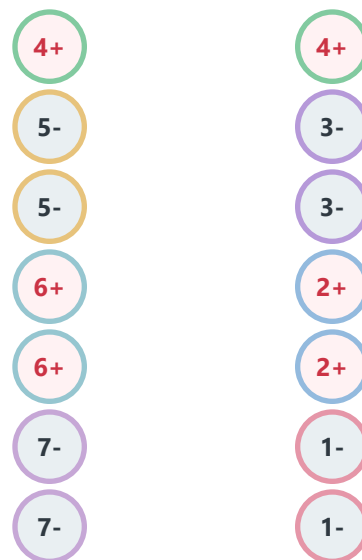


FRONT / CABLE END

FACE B

BOTTOM POS/NEG

FAR END



FRONT / CABLE END

POLARITY CHECK

Top front: G7+ left, G1+ right.

Verify the installed cells with a meter before fitting the busbars.

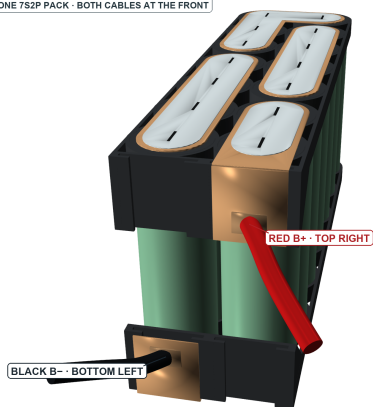
Check the supplied parts against this guide before placing the busbars.

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

DESIGN REVIEW

ASSEMBLED ORIENTATION

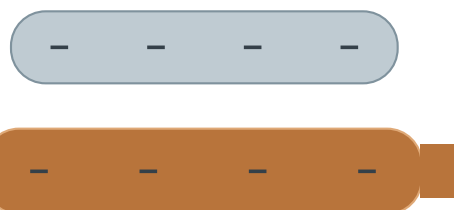
ONE 7S2P PACK - BOTH CABLES AT THE FRONT



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

LOOSE CONTACT LAYERS

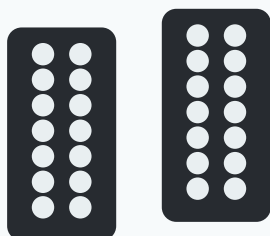
STAINLESS CONTACT OVERLAY



COPPER BUSBAR + BARE CABLE BEND

Stainless is smaller; it provides a weldable surface and corrosion resistance. Contact shape is representative; verify the supplied parts.

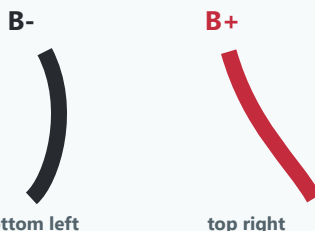
TWO CELL HOLDERS



7S2P - 14 cell pockets

Top + bottom tray set

TWO POWER CABLES



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

JST BALANCE + PVC

8-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.