

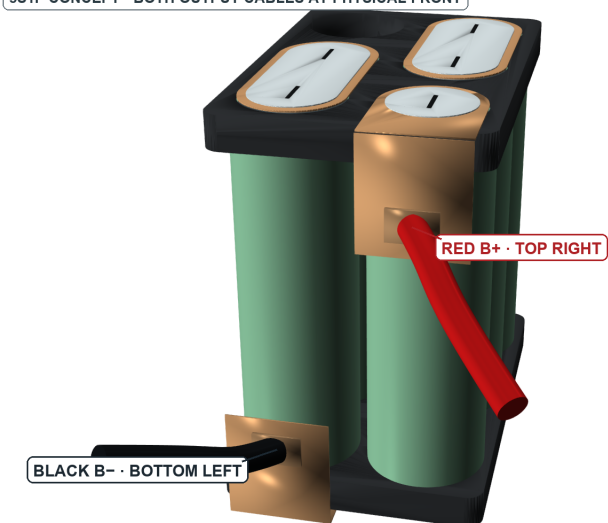
LAYOUT CONCEPT

Cells shown installed for illustration: DIY kit excludes cells; separate assembled pack includes selected cells.

ONE PACK FRONT

TOP | RED B+ FRONT RIGHT

5S1P CONCEPT · BOTH OUTPUT CABLES AT PHYSICAL FRONT



Holder, copper and cable sides are proposed; verify actual parts

- Red B+ welds to the top right front copper bend.
- Top bridges join G2- to G3+ and G4- to G5+.
- Both leads leave the SAME physical front of one pack.

FACE B

BOTTOM | BLACK B- FRONT LEFT

UNDERSIDE VIEW · FRONT NEAR · 5S1P CONCEPT



Holder, far turn and lead sides proposed; verify actual parts

- Black B- welds to the bottom left front bend.
- Bottom bridges join G1- to G2+ and G3- to G4+.
- One far-left tray pocket is intentionally empty.

BEFORE ASSEMBLY

Confirm every 21700 cell end with a meter before fitting metal parts.

Stainless steel lies over copper; align both layers' slits to the cell contacts.

Weld each 6-inch bare lead to its front copper bend; insulate both joints and exposed edges.

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 70 x 72 mm | mass: 360-425 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.

Fit 5 21700 cells as shown before mounting the busbars.

Each circle shows the group number and the exposed polarity on that face.

FACE A
TOP

TOP FACE · FRONT NEAR · 5S1P CONCEPT


FRONT / CABLE END

Keep left and right fixed on both views.

FACE B
UNDERSIDE

UNDERSIDE VIEW · FRONT NEAR · 5S1P CONCEPT


FRONT / CABLE END

Keep left and right fixed on both views.

SERIES PATH

B+ (G1+) -> G1 -> G2 -> G3 -> G4 -> G5 -> B- (G5-)

POLARITY CHECK

The far-left position is EMPTY; never treat it as a cell.

Do not infer polarity from sleeve color or this illustration alone. Verify each cell with a meter.

A concept render is not a cutting template or a confirmed production assembly.