

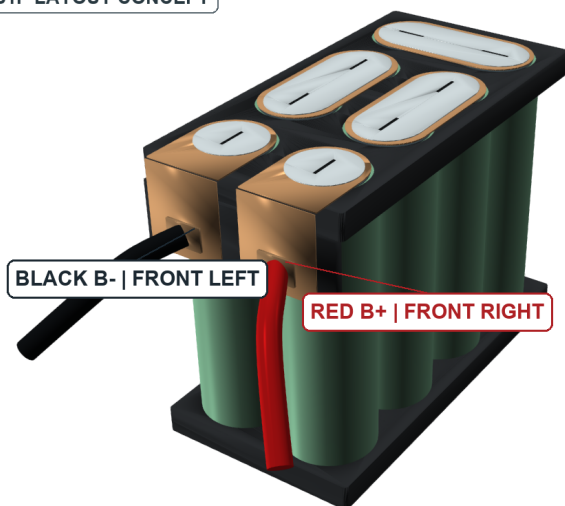
LAYOUT CONCEPT

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

FACE A

TOP POS/NEG | BOTH CABLES

8S1P LAYOUT CONCEPT



- Black B- welds to the front left copper bend (G8-).
- Red B+ welds to the front right copper bend (G1+).
- Top bridges join G6-G7, G2-G3, and G5-G4.

FACE B

BOTTOM BASE | SERIES BRIDGES

8S1P LAYOUT CONCEPT



- Bottom bridges join G7-G8, G5-G6, G3-G4, G1-G2.
- Both diagrams retain the same physical front edge.
- Slotted stainless overlays each copper contact.

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: 49 x 95 x 72 mm | mass: 576-680 g

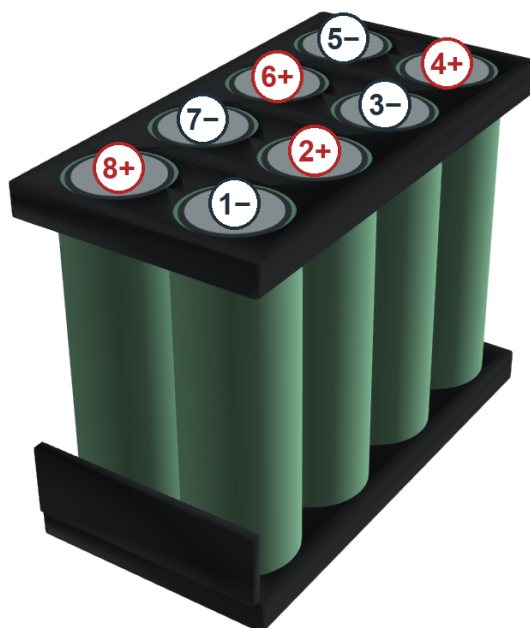
Modeled core: 21700 cells 67-75 g each + 5-10 g/cell hardware allowance; excludes leads, connector, BMS, wrap and shipping box.

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 8 21700 cells as shown before mounting the busbars.

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

FACE A
TOP

FRONT / CABLE END
FACE B
UNDERSIDE

FRONT / CABLE END

SERIES PATH

B+ (G1+) -> G1 -> G2 -> G3 -> G4 -> G5 -> G6 -> G7 -> G8 -> B- (G8-)

POLARITY CHECK

Top front: G8- left / G1+ right; bottom signs are reversed.

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.