

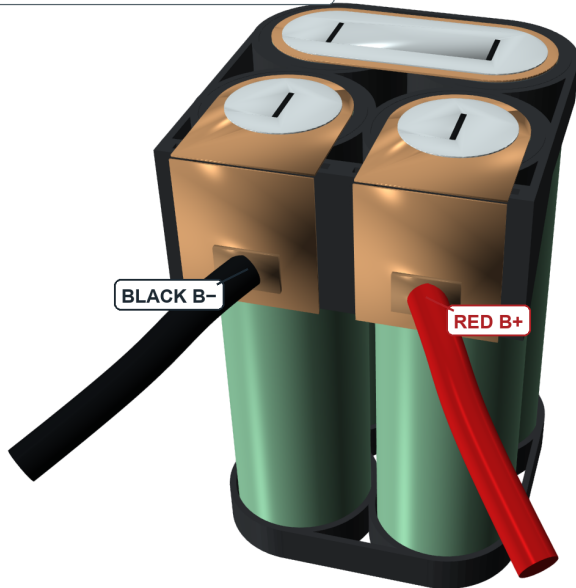
DESIGN REVIEW

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

FACE A

TOP POS/NEG | BOTH CABLES

TOP FACE · FRONT NEAR · DESIGN REVIEW



Copper cut shapes sourced; lead sides and bends need kit check

- Black B- weld: front left copper bend on G4-.
- Red B+ weld: front right copper bend on G1+.
- Top bridges join the opposite-polarity mid contacts.

FACE B

BOTTOM BASE | SERIES BRIDGES

UNDERSIDE VIEW · FRONT NEAR · DESIGN REVIEW



- Complete the alternating G1-G2-G3-G4 chain.
- Every stainless slit sits over a cell contact pad.
- The front guard remains the cable-end reference.

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 49 x 72 mm | mass: 288-340 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 4 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 · DESIGN REVIEW



FRONT / CABLE END

FACE B**UNDERSIDE**

UNDERSIDE VIEW · FRONT NEAR · DESIGN REVIEW



FRONT / CABLE END

SERIES PATH

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

POLARITY CHECK

Top front: G4- left / G1+ right; reverse every sign on the bottom.

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.