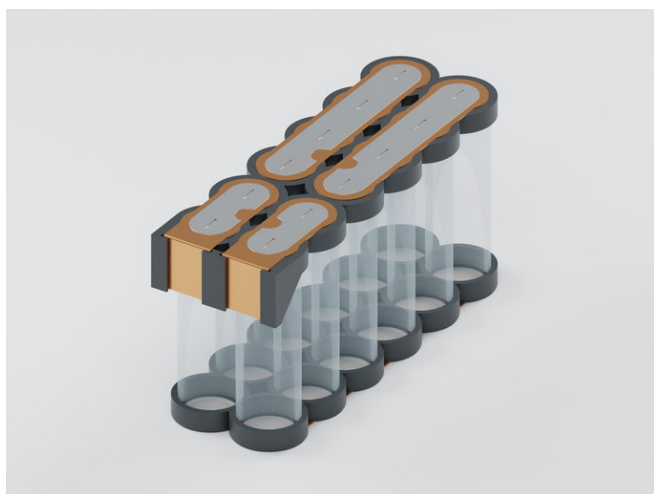
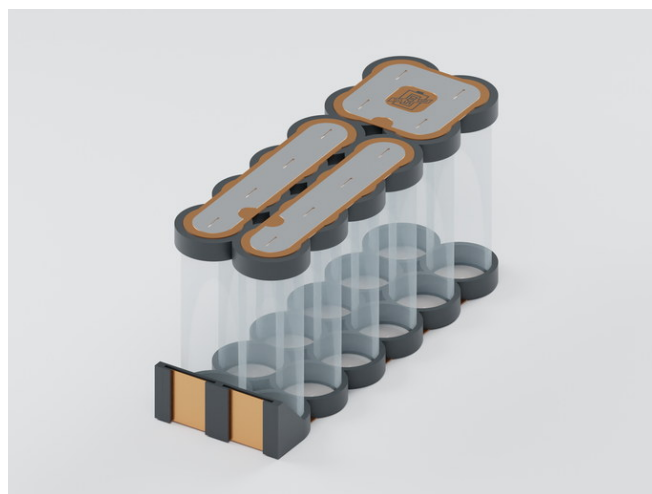


6 series groups / 2 cells per group / 12 cells

Transparent cells show position only. Kit-only excludes cells. Any cell-inclusive option or separately quoted build follows the selected order.

FACE A

Current holders, copper and slotted weld overlays. Wiring and final insulation are omitted.

FACE B

Current holders, copper and slotted weld overlays. Wiring and final insulation are omitted.

Read the orientation map before fitting metal

These perspective views illustrate construction. Page 2 gives the numbered cell ends and terminal faces in a fixed physical reference. Do not determine polarity from sleeve color or a rotated render.

DESIGN REVIEW

CAD construction reference. Confirm the supplied parts, cell fit and terminal clearances before assembly.

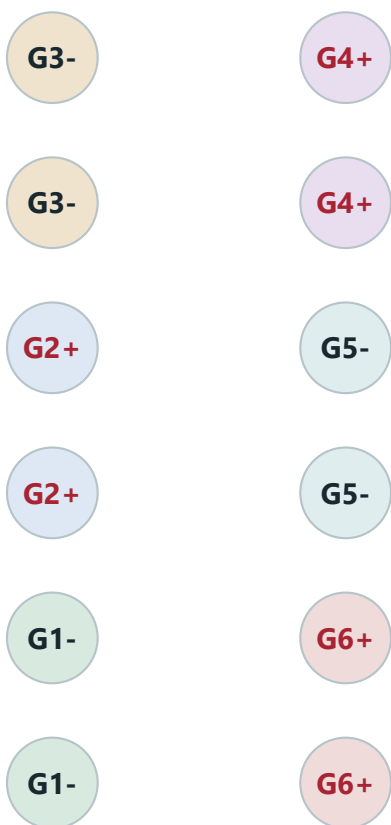
Before assembly

Check every cell end with a meter. Dry-fit both holders and both metal layers; separate electrical nodes must not touch. Confirm required insulation, lead routing and the exact cell model before welding.

Both maps keep the same physical front at the bottom and the same left/right positions. Face B is a shared-coordinate map, not a photograph of a flipped pack.

FACE A / CELL ENDS

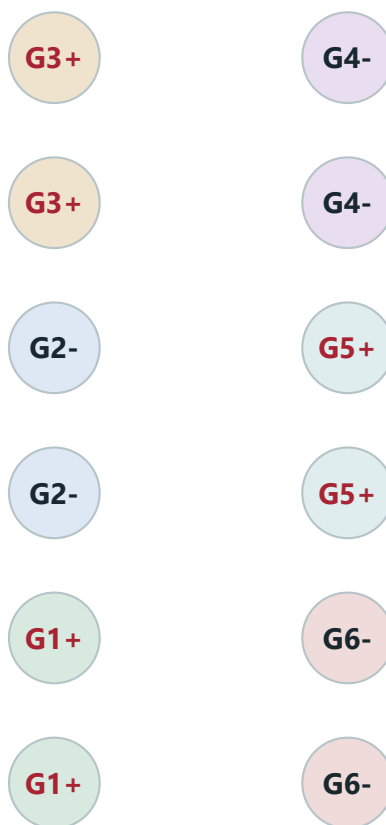
FAR END



FRONT / CABLE EDGE

FACE B / CELL ENDS

FAR END



FRONT / CABLE EDGE

G = series group. The sign is the exposed cell-end polarity.

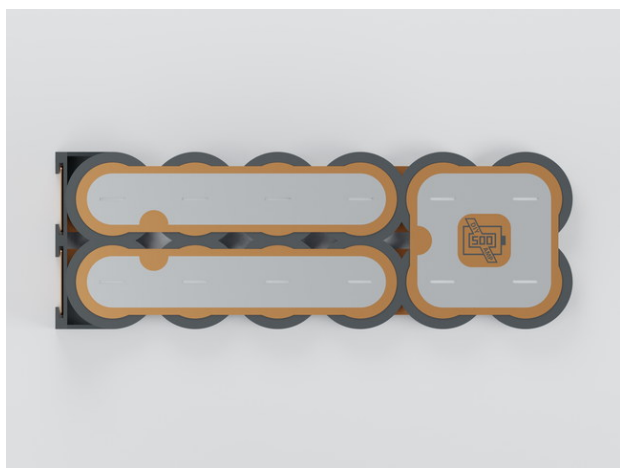
B+ (red lead): Face A, front right, G6+

B- (black lead): Face A, front left, G1-

Verify each cell end with a meter before fitting metal. Verify the final B+/B- output after assembly. Group numbers are layout identifiers, not a balance-plug pinout.

Count and dry-fit the current hardware set. Copper thickness is 0.2 mm or 0.3 mm as ordered; confirm the supplied overlay material and gauge.

CONDUCTOR DETAIL



CURRENT CAD METAL SET

Part	A	B	Total
Copper	4	3	7
Weld overlays	4	3	7

2 holder faces: A and B

Confirm the actual supplied holder set.

Counts describe this illustrated metal set, not extra accessories.

Slotted overlays sit over matching copper contacts. Keep the terminal bend available for the lead connection; insulate the finished joints.

Assembly and final checks

1. Verify contents. Check holders, copper and overlays against this configuration. Leads, balance connector, PVC and any cells follow the selected order or confirmed quote.
2. Verify orientation. Inspect wraps and insulators. Confirm every cell polarity against page 2 before placing metal. Stop if the actual parts differ from the diagram.
3. Align and join. Seat the matching copper and overlay stack at each contact. Use a qualified welding process for the actual cells and metals; this guide sets no welding parameters.
4. Insulate and protect. Isolate separate nodes, exposed edges and lead joints. Confirm conductor sizing, current sharing, fusing and thermal protection for the application.
5. Check before connection. Confirm group and pack voltages, B+/B- polarity and balance-lead sequence. Verify charger compatibility before connecting a balance plug.

No BMS is included unless specified. A JST balance lead does not replace a BMS. Follow the selected cell manufacturer's limits; this guide assigns no pack current rating.