



Sheet stock: 3mm birch laser ply. MDF may work but likely not as strong.

All lines vector cut - no etching required.

Once cut PVA glue required to assemble layers.

All long parts glued together, thin parts together then thicker parts to form a lipped edge

3x grooved parts glue together to make one swinging clasp - 2 in total.

See photos in related content.

Designed to be a quick-release battery enclosure holder for electric longboards/skateboards

Additional hardware required for build:

M6 x 40mm bolts (or countersunk for nicer finish) x2

M6 nuts x6

M6 washers x6

1 inch number 8 (or similar) wood screws x11

Designed to work with:

7S 10AH 'flat' LiPo battery from Alien Power Systems - <http://alienpowersystem.com/shop/7s-batteries/alien-7s-10000mah-35c-lipo-battery-flat-configuration/>

Battery enclosure from Alien Drive Systems - 7s 10000mAH model - https://www.aliendrivesystems.com/store/p15/ABS_Battery_and_Electronic_Speed_Control_Enclosures.html

Scale: square is 10mm x 10mm

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