

Taller Lack Enclosure - Sovol SV06



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Summary

Remixed version of the classic Lack Enclosure, fits printers up to 50cm high.

[3D Printers](#) > [Accessories](#)

Tags: [sovolsv06](#) [taller](#) [lackenclosure](#) [black](#)

Remix of the Lack Enclosure for my Sovol SV06, largely based on [DarkDoldier](#)'s make, but will fit any taller printer of a similar size.

Parts:

3mm x 440mm x 540mm Acrylic Sheets (Two, for the sides)

3mm x 220mm x 540mm Acrylic Sheets (Four, for the doors)

A XT60 30cm Extension Cable (Male to Female)

Superglue (For securing the Table Connectors)

M6 x 20 Screws (Four, to attach Table Connectors)

M6 x 160 Screws (Four, to attach Bottom Corners and Leg Spacers)

M6 x 50 Screws (Four, to attach to Top Corners)

3.5 x 25 Screws (Multiple, to attach the all other components)

Edits:

I increased the clearance at the top of the printer by a few cm, to match the original by Prusa, and allow for the use of their filament guide. I also added cable passthrough holes on the top of the legs, echoing the bottom, which gives a neater finish for anything mounted onto the roof of the

enclosure. To allow for better airflow, when printing PLA, I put hinges on the back and attached two doors which are easily removed or left off entirely. The design still allows for a 440mm x 540mm solid back though, if desired.

I edited the hinges, to echo the triangular design of the sides and designed a fresh support for half way up the plexiglass, as others have suggested that this is prone to warping. I had some spare push open door catches and so used these, allowing for minimal door handles.

I used this PSU mount:

<https://www.printables.com/model/511152-power-supply-lack-table-mount-sovol-sv06>

And made this tool, which makes alighting the holes for the Table Connectors simple:

<https://www.printables.com/model/511298-ikea-lack-corner-hole-guide>

Finally, I added rubber feet for levelling and vibration dampening, which seem to work well.

All parts are printed in PETG.

This remix is based on



Original Prusa i3 MK3 ENCLOSURE -Ikea Lack table - Prusa Research

by Dominik Císař



Sovol SV06 Lack enclosure REMIX

by DarkDoldier

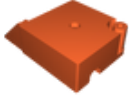
Model files

2x-table-connector_front.stl





2x-door-hinge_bottom-right.stl



bottom-corner_back-left.stl



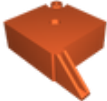
2x-door-push_right.stl



top-corner_back-left.stl



4x-side-clip.stl



bottom-corner_front-left.stl



bottom-corner_back-right.stl



2x-table-connector_back.stl



4x-leg-spacer_10cm.stl



2x-door-hinge_bottom-left.stl



bottom-corner_front-right.stl



2x-door-push_left.stl



filament-guide.stl



2x-door-hinge_top-left.stl



2x-door-hinge_top-right.stl



top-corner_front-left.stl



top-corner_back-right.stl



top-corner_front-right.stl

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