



Reverse Engineered SV08 Official Enclosure Doors Template

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Summary

Fit-tested Sovol SV08 door templates, with full and split STLs, dimensioned PDF drawings and full-size DXF files.

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3D-printable templates, dimensioned drawings and DXF outlines for the **left and right front enclosure door panels of the Sovol SV08**.

This set is intended for checking the door profile and mounting-hole positions before making replacement or custom panels. The dimensions were **reverse engineered from reference measurements and official Sovol enclosure drawings**, then checked on a real printer: I printed a full-size template from the DXF, fitted it to my SV08 and confirmed that the measurements fit.

Included files

- **STL templates:** Full and split versions for printing and checking fit. Use the split template when the complete template will not fit on your build plate.

- **Dimensioned PDF:** A five-page drawing set formatted for **Letter paper (8.5 × 11 inches)**, covering both panels, enlarged details of every corner cutout, hole positions, radii and perimeter coordinates.
- **DXF files:** Separate left- and right-panel files, plus a combined drawing. The geometry is **full-size, in millimeters**, with the outlines and hinge, catch and knob holes on separate layers.

Panel geometry

Each panel has an overall envelope of **225.0 × 460.5 mm**, including the corner reliefs, and **ten Ø3.4 mm through-holes for M3 screw clearance**: four hinge holes, four catch-mounting holes and two knob holes.

The knob holes are arranged **horizontally, 17.5 mm centre-to-centre**. The nearer hole is 15 mm from the inner edge, and both lie 230.25 mm below the top datum. The right panel mirrors the left.

The drawings include the small upper hinge notch, the lower hinge-side two-step relief, and the upper and lower centre-edge cutouts—not just a rectangular panel outline.

Hinges used for fit testing

I used the following model for fit testing the printed template:

Sovol SV08 Door Handles & Hinge Set on MakerWorld

This is an adaptation of the official hinges that allows the doors to open **180°**. It is the hinge arrangement used for my fit check.

The hinge and handle models are a separate project; download those parts and follow their instructions at the link above. Credit for that design belongs to its original creator.

Printing and using the templates

Print the STL templates at **100% scale**. Do not reduce the model to fit the build plate—use the split version instead. Assemble the split sections accurately and keep the template flat when checking it against the printer.

Check the panel outline, corner clearances and mounting-hole alignment with your intended hardware before preparing the final panels.

The PDF is a **dimensioned reference, not a full-size paper template**. Print it on Letter paper at 100% to preserve the scales shown on each sheet. Use the DXF files for full-size paper templates or CAD work.

In the combined DXF, the **25 mm space between the panels is only a drawing-layout gap**, not the installed door clearance. No cutting allowance or tool compensation is included.

Scope and compatibility

The STL files are **fit-checking templates, not finished enclosure doors**. Template fit has been confirmed on my SV08 with the hinge set linked above.

Panel material, thickness and edge finishing are not specified by this template set. Check those against your chosen hardware; fittings with sleeves or shoulders may need different hole clearances.

This is an independent reference set, not an official Sovol manufacturing drawing.

Model files



sv08-door-template-full.stl



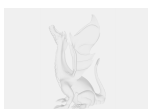
sv08-door-template-upper-section.stl



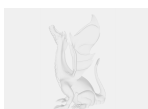
sv08-door-template-lower-section.stl



sv08_left_door.dxf



sv08_right_door.dxf



sv08_both_doors.dxf

Other files



sv08_enclosure_door_panels_dimensioned_drawings.pdf

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