



Tukkari TS Enclosure Prusa Mk3s PSU Shroud with Fan



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updated 12. 4. 2022 | published 28. 1. 2021

Summary

Extra Prusa PSU cooling for Tukkari TS enclosure.

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Extra Prusa PSU cooling for Tukkari TS enclosure.

The Tukkari TS enclosure for Prusa Mk3s does not include a PSU shroud between the PSU and honeycombe vent side panel.

This accessory in PETG provides a bolt on shroud to direct cool outside air to the PSU.

In addition, there is a mount for a 40mm fan. The fan should be pointed to push cold air into the PSU vents (not suck air from the PSU). 12v and 5v (usb) fans are readily available.

Without the fan running, i found the PSU became quite hot in use, even though the shroud ensured the PSU was linked to the honeycombe grill and outside air.

With the fan running, the PSU casing did not exceed 33 degrees C during a 5 hour print (temp inside enclosure was 29, ambient air temp 21).

Below the fan is a cutout for the fan cable, and an X shape cable tidy anchor

Print instructions Category: 3D Printer Accessories Summary

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Print Settings

Printer Brand:

Prusa

Printer:

I3 MK3S

Rafts:

No

Supports:

No

Resolution:

0.2

Infill:

25%

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Filament:

PETG is recommended as the shroud will be in constant contact with the warm PSU case.

Shroud mounting nuts/bolts used from Tukkari kit. For the fan, use M3 nuts/bolts.

Model files



psu-vent-tukkari2_v3.stl

[Find source .stl files on Thingiverse.com](#)

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