



RC Catamaran V5!



StuNZ

[VIEW IN BROWSER](#)

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Summary

Big improvements since version 4 - 86 km/h on a 4S battery!



59.59 hrs



17 pcs



0.20 mm



0.40 mm



PLA
Flex



1261 g



Creality
Ender 3 V3
SE

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[catamaran](#)

The STL files include holes and are set up for the parts in the parts list so use these if you plan to use the same motor and rudder setup as I did. Otherwise use the alternative STL files in the "No holes" folder if you want to glue in your own motor mount and set things up differently.

Using my set up I managed to reach 86 km/h on a single 4S LiPo battery!

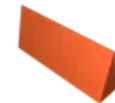
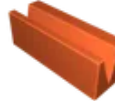
The seal for the lid is optional and I printed mine using TPU.

The gcode files are the same files I used with my Ender V3 SE.

Please let me know if you have any questions!

Build video coming soon...

Model files

	Main Hull Parts	9 files
	bow-reinforcement.stl ☐ Glue inside the hull at the front to strengthen the bow	
	clamp-end-tool.stl ☐ Used when gluing hull parts to make clamping easier	
	hull-transom.stl ☐ Hull part 1	
	hull-stern.stl ☐ Hull part 2	
	hull-middle-aft.stl ☐ Hull part 3	
	hull-middle-front.stl ☐ Hull part 4	
	hull-bow.stl ☐ Hull part 5	



lid-back.stl

☐ Lid part 1



lid-front.stl

☐ Lid part 2



Mounts

5 files



strut-mount.stl

☐ Used to hold the shift strut



strut-mount-thin.stl

☐ Used if you have a thin strut



motor-mount-port.stl

☐ Used to mount the motor if using the same motor as me



motor-mount-starboard.stl

☐ Used to mount the motor if using the same motor as me



motor-mount-face.stl

☐ Used to mount the motor if using the same motor as me



Desktop Stand

2 files



stand-aft.stl

☐ Rear half of the stand



stand-forward.stl

☐ Forward half of the stand



No Holes Alt Parts

3 files



transom-no-holes.stl

☐ Use this version if you want to drill and mount your own parts, different to mine



middle-back-no-holes.stl

☐ Use this version if you want to drill and mount your own parts, different to mine



stern-no-holes.stl

☐ Use this version if you want to drill and mount your own parts, different to mine

Print files



Mounts

2 files



strut-mount.gcode

🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 0.37 hrs ⚖️ 9 g

☐ Holds the shaft strut at the stern



motor-mounts.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 1.50 hrs ⚖️ 36 g

📄 Used for mounting the motor if you use the same motor as me



Main Hull Parts

8 files



hull-transom.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 3.42 hrs ⚖️ 90 g

📄 Hull part 1



hull-stern.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 11.30 hrs ⚖️ 225 g

📄 Hull part 2



hull-middle-aft.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 11.10 hrs ⚖️ 210 g

📄 Hull part 3



hull-middle-fwd.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 10.40 hrs ⚖️ 224 g

📄 Hull part 4



hull-bow.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 6.50 hrs ⚖️ 124 g

📄 Hull part 5



bow-reinforcement.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 0.40 hrs ⚖️ 16 g

📄 Glue inside the bow for added strength



lid.gcode

⚙️ PLA ⚙️ 0.40 mm ⚙️ 0.20 mm ⌚ 8.36 hrs ⚖️ 167 g

📄 Lid in 2 parts



clamp-end.gcode

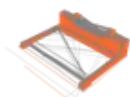
🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 1.19 hrs ⚖️ 37 g

📄 Helps clamping the bow



Desktop Stand

2 files



stand-forward.gcode

🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 2.26 hrs ⚖️ 54 g

📄 Front half of desktop stand



stand-aft.gcode

🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 2.26 hrs ⚖️ 55 g

📄 Rear half of desktop stand



No holes

3 files



transom-no-holes.gcode

🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 3.30 hrs ⚖️ 90 g

📄 Transom without ruder/strut holes



stern-no-holes.gcode

🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 11.00 hrs ⚖️ 219 g

📄 Stern part without motor shaft hole



middle-back-no-hole.gcode

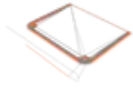
🌀 PLA 📏 0.40 mm 📏 0.20 mm ⌚ 10.30 hrs ⚖️ 199 g

📄 Middle aft part without motor mount heated inserts



TPU Seal for Lid

2 files



tpu-gasket-aft.gcode

⚙ Flex ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 0.27 hrs ⚖ 7 g

📄 Optional seal for lid to help waterproofing - Part 1



tpu-gasket-front.gcode

⚙ Flex ⚙ 0.40 mm ⚙ 0.20 mm ⌚ 0.26 hrs ⚖ 7 g

📄 Optional seal for lid to help waterproofing - Part 2

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