



## AA to C size battery adapter



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### Summary

Adapter to use AA (Mignon) sized batteries in place of C size batteries.



1.74 hrs



2 pcs



0.15 mm



0.40 mm



ASA



7 g



Prusa MINI /  
MINI+

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This adapter allows use of an AA (Mignon) sized battery in place of a C sized battery. My primary use case for the adapter is using the trusty Sanyo/Panasonic eneloop rechargeable batteries for devices like the roomba lighthouse, etc.

The design has been verified using ASA. Note that the diameters between different AA batteries may vary significantly, therefore it is expected to be fairly tight in the thicker ones.

The adapter assembly is made from:

- 1 body part
- 2 identical retaining springs

When printing the body, supports are required in the recess where the spring goes (picture). Also a brim is a must to keep it attached to the sheet.

The design allows for a 0.1mm gap between the parts and CA based superglue works perfect for the assembly.

## Model files



**aa\_to\_c\_adapter\_v3-retaining\_spring\_lower.obj**



**aa\_to\_c\_adapter\_v3-adapter\_body.obj**

## Print files



**aa\_to\_c\_adapter\_v3-retaining\_spring\_lower\_015mm\_asa... .gcode**

⚙ ASA ⚙ 0.40 mm ⚙ 0.15 mm ⌚ 0.20 hrs ⚖ 1 g 🖨 Prusa MINI / MINI+

📄 retaining springs grabbing the AA battery, requires two per adapter



**aa\_to\_c\_adapter\_v3-adapter\_body\_015mm\_asa\_mini\_1h33m .gcode**

⚙ ASA ⚙ 0.40 mm ⚙ 0.15 mm ⌚ 1.54 hrs ⚖ 6 g 🖨 Prusa MINI / MINI+

📄 main adapter body

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