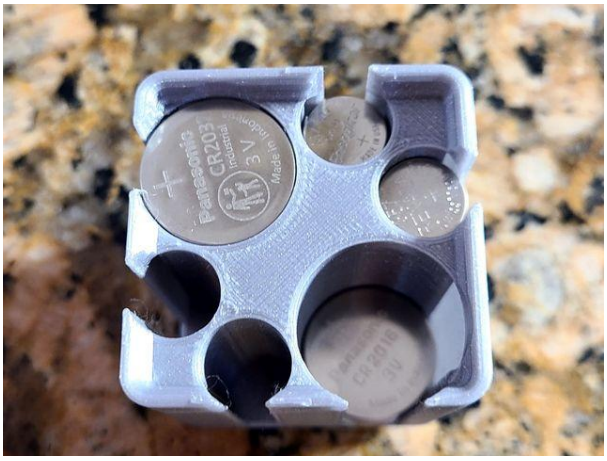

Gridfinity Battery Box: CR2032/ CR2016, 357/303/ SR44 and A23/ MN21/AAA slots

dhiltonp

VIEW IN BROWSER

updated 4. 6. 2023 | published 4. 6. 2023

Summary

Holds a combination of 22 CR2032 or 44 CR2016, 12 357 batteries, and 2 A23 batteries.

2.89 hrs	1 pcs	0.20 mm	0.40 mm	PLA	24 g	Prusa MK3/S/S+

Hobby & Makers > Organizers

Tags: gridfinity

This is for Zach Freedman's Gridfinity.

It can hold 22 CR2032 or 44 CR2016 batteries, 12 357/303/SR44 batteries, and 2 A23 batteries (commonly used in garage door openers). The A23 slots can hold AAA batteries, but the holder will no longer be stackable. This would easily be changed via Fusion 360.

Do NOT print using carbon fiber, ESD filaments, or other conductive filament. There is no danger per se, but the batteries will slowly discharge.

I downloaded the blank template (included with his baseplates), filled the cube, and cut out 6 circles, two for each battery size. The holes are 20.5mm, 12.1mm, and 11mm; these are .5mm larger than each battery diameter.

The Fusion 360 file is included for further modification.

This remix is based on

Gridfinity Baseplates - 3D model by ZackFreedman on Thangs

by ZackFreedman

Model files

lithium-batteries.3mf

lithium-batteries.f3d

Print files

lithium-batteries_02mm_pla_mk3s_2h53m.gcode

PLA 0.40 mm 0.20 mm 2.89 hrs 24 g Prusa MK3/S/S+

License