



32 x 18650 Lithium Ion Cellholder for storage (Quick Print)



xChristmas

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Summary

A simple 18650 Battery cell holder I designed that focuses on low print time and low material usage.

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EDIT: UPDATED VERSION HERE <https://www.printables.com/model/214530-32-x-18650-lithium-ion-cellholder-for-storage-quick>

I wanted to store a large amount of 18650 batteries I tested with my [Megacellcharger](#). Since I own two of them I needed a holder that stores 32 cells in one go.

There are some designs for cell organizers out there but none print fast nor use as little material as possible.

This is where my design comes in! The hole diameter is 18.6mm in the drawing but depends on your printer's accuracy when printed. Also some batteries like the SE US18650 VC7 who are 0.2mm wider than the LGDBMG18650 ones, need the model to be scaled in the XY-dimensions. I

wanted a tight fit on my cells so a little experimentation is needed. For me the XY-Scaling lays between 100%-101%. And it takes about 1h30min to print.

For print settings I use:

Slicer: Prusaslicer/Superslicer **!!!CURA DOES sometimes NOT SLICE THIS PRINT CORRECTLY AS OF NOW!!!**

Layerheight:0.2mm

Speed: Shouldn't matter

Mode: Vase Mode!

Top/Bottom Layer: 0/3

I designed this print in such a way that **vase mode** can be used to speed up the print time even further! So I recommend everyone using it, it works great for me.

If you liked the design I would really appreciate you posting a comment and a make!

If you feel generous you could even donate me a coffee since this took pretty long to make! Thank you!

Model files



32-cellholder-for-vase-mode.3mf

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