



## Battery Adapter From Parkside X20 to Makita 18v | extended body | Parametric | F3D



extrablind

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updated 6. 7. 2024 | published 6. 7. 2024

### Summary

Adapter from Parkside battery x20 Team (Lidl) to Makita 18v battery.



3.38 hrs



1 pcs



0.30 mm



0.40 mm



PLA



20 g



Prusa  
MK3/S/S+

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Tags: [parametric](#) [tool](#) [battery](#) [adapter](#) [parkside](#) [makita](#)  
[lidl](#) [f3d](#) [x20team](#)

### [DESCRIPTION]

This model is a battery adapter : from battery parkside x20 team sold by Lidl to any Makita tool using 18v battery.

It is an remake from Myle's work (see : [thingiverse.com/thing:3110392](https://thingiverse.com/thing:3110392)). Thickness differs from original model between Makita side and Parkside

side : it is bigger to fit Makita chainsaw (DUC353Z) slots. Note : this can be customized to your needs using parameter in included Fusion 360 file.

## [INSTRUCTIONS]

Connect sockets on Parkside side (polarities are shown on model).

**Important : Connect + to first and second pin** on Makita side (required for battery level) either tool will not start.

Nickel strips are good to make this kind of connection instead of using wires: use glue to hold your connectors in place. Test continuity with multimeter, then use hot glue pistol to keep all together and avoid shorting.

**Be carefull** : current can be huge, you need to adapt cable and connectors sections depending of the current drawn. For medium current you can use folded nickel strips.

For higher current (chainsaw is a good example here), you better use cutted copper plate with proper thickness with high temperature epoxy. If you don't, hot glue will melt and nickel acts as a heating resistor and your adapter is ... a toaster.

## [PRINT]

Supports everywhere.

Print from any side, bottom is better to remove supports.

Default Prusa draft mode is ok

Giving good result with giroid filling 10% at 150% speed on mk3s+.

## [LOVE]

If you liked this model, add a review, photo, any documentation, like and bookmark. It's helping me to keep motivation up (mostly knowing my efforts are usefull to others). I also can, in a while, gather some gift from prusa ;) Feel free to share modify and redistribute as long as you keep a link to this model and Myle's first version. Thanks !

## Model files



**adapter-x20-makita.3mf**

☐ 3d model

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**adapter-x20-makita.f3d**

# Print files



## adapter-x20-makita\_03mm\_pla\_mk3s\_3h23m.gcode

🌀 PLA 📏 0.40 mm 📏 0.30 mm ⌚ 3.38 hrs ⚖️ 20 g 🖨️ Prusa MK3/S/S+

📄 Gcode

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