



IoT Battery Charger Monitor



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updated 3. 4. 2024 | published 3. 4. 2024

Summary

Recharge batteries and get an email when it's done charging.

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Tags: [display](#) [battery](#) [charger](#) [arduino](#) [iot](#) [esp32](#)
[adafruit](#) [monitor](#) [circuitpython](#)

Build an internet connected battery charger and monitor with Feather ESP32-S2 Reverse TFT, CircuitPython, and Adafruit IO. The on-board MAX17048 LiPoly battery monitor chip reads the batteries voltage and is displayed on the Feather ESP32's built-in color TFT display. Use the on-board button to cycle between icons and text. The project uses Adafruit IO actions to receive an SMS text or email when the battery is fully charged.

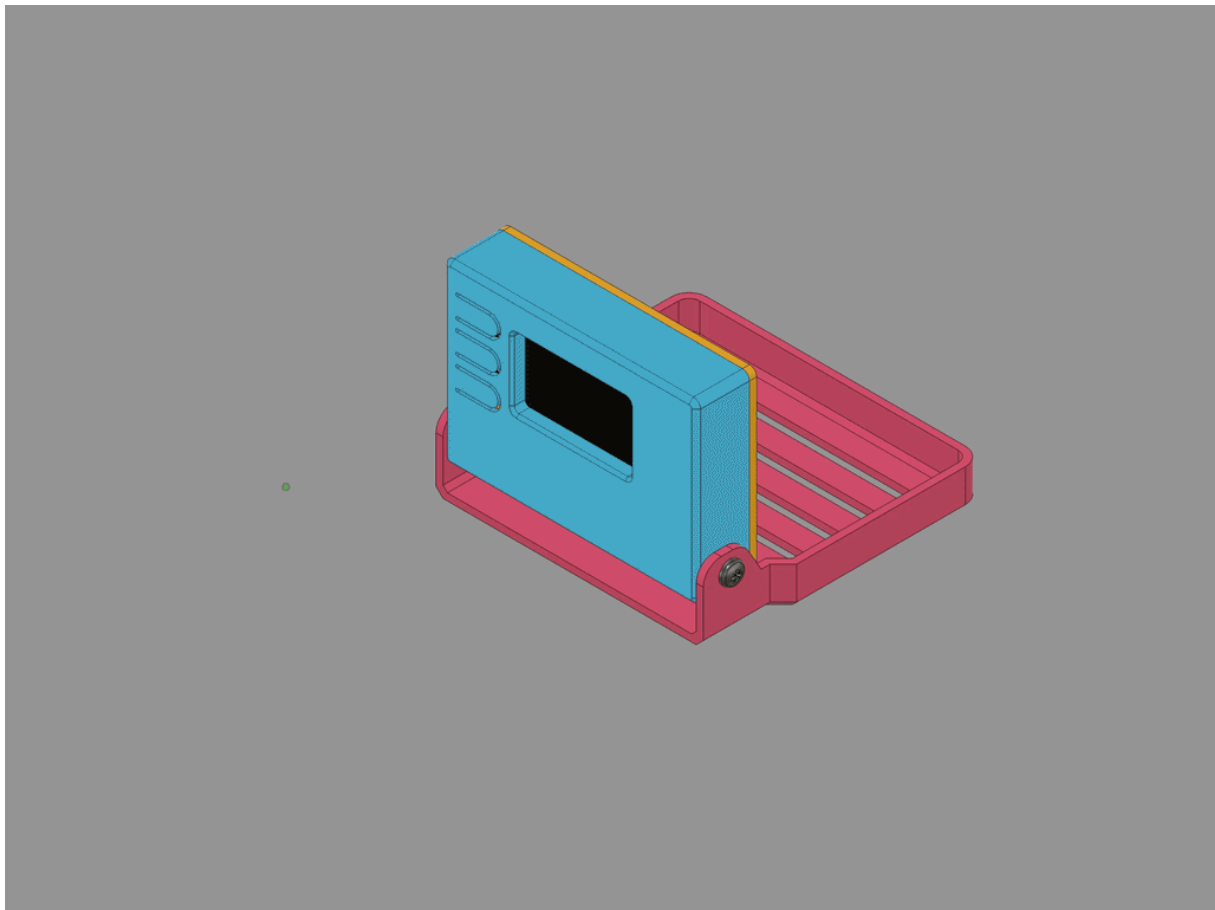
Feather ESP32 S2 TFT

<https://www.adafruit.com/product/5345>

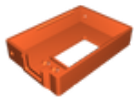
Learn Guide

<https://learn.adafruit.com/iot-battery-monitor/>

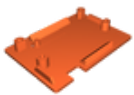
YouTube Video



Model files



top-front.stl



back-cover.stl



battery-tray.stl

feather-battery-monitor-v22.f3z

feather-battery-monitor-v22.step

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