Battery Information

ATmega32U4-MU

* VCC Range = 2.7-5.5 V
* <https://www.mouser.com/datasheet/2/268/Atmel-7766-8-bit-AVR-ATmega16U4-32U4_Datasheet-1315135.pdf>

Battery Management: MCP73831T-2ACI/OT

* V­CC Range = 3.75-6 V
* Datasheet:

<https://ww1.microchip.com/downloads/en/DeviceDoc/MCP73831-Family-Data-Sheet-DS20001984H.pdf>

Battery Candidates

3.8 V Li-On battery

* <https://www.mouser.com/ProductDetail/RRC-Power-Solutions/RRC1130?qs=DJA8%252BIqD56W3Yo8qQ6dPfw%3D%3D>

3.7 V Li-Polymer Battery

* <https://www.mouser.com/ProductDetail/Renata/ICP402025PC-1?qs=WtvvTbtNXq%252BQv7inF4n3oA%3D%3D>