

Battery Holders (AA, AAA, 9V, LiPo)

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Electronics & Prototyping

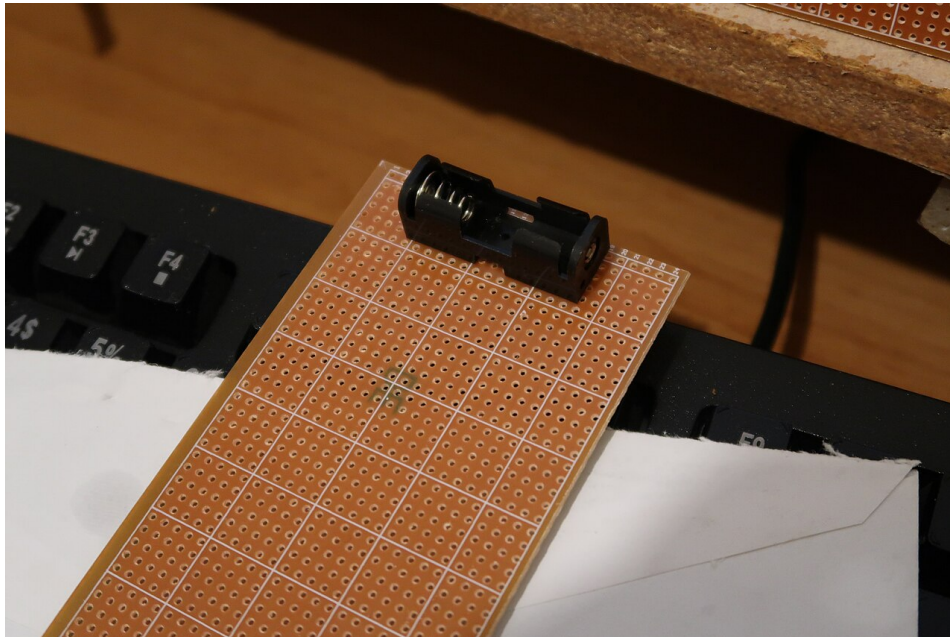


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Battery holders safely connect cells to power projects: plastic holders for AA, AAA and 9V batteries with leads or terminals, and balance lead adapters for LiPo packs. The right holder makes battery power for robots and portables simple and safe.

Key Features

- 2-8 cell holders for AA and AAA
- 9V clip leads
- Snap-on and soldered lead options
- LiPo JST-XH balance adapters
- Switch and cover versions

Typical Uses in the Workshop

- Power robots and portable circuits
- Provide 3-9 V rails from standard cells
- Teach series and parallel connections
- Replace dead projects batteries quickly

Safe Operation

1. Match cell count and chemistry to the project voltage
2. Insert cells observing orientation marks
3. Solder leads or use the connector on the holder
4. Check total current suits cell ratings
5. Remove batteries for storage

SAFETY NOTES

- Never charge non-rechargeable cells
- Check polarity before connecting
- Keep holders dry and free of corrosion
- Do not short the holder terminals
- Remove leaking batteries and clean the holder

Maintenance & Consumables

- Check contacts for corrosion
- Replace stretched springs that make loose contact
- Retest holders before big lessons
- Keep spare holders for common cell sizes
- Store cells separately from holders

Specification & Buying Notes

Stock a range of AA 2- and 4-cell holders and 9V clips for the class. Add JST and DC barrel adapters for LiPo use. Check the holder wire gauge suits the project current.