

High-Capacity Battery Charging Stations

DT Workshop Equipment Reference — D&T / STEM resource for school workshops | Electrical & Power

A battery charging station organises and charges many tool batteries in one place, with smart chargers, labelled slots and fire-safe housing. Centralised charging keeps the cordless fleet ready, batteries tracked and the charging risk contained in one area.

Key Features

- Multi-slot chargers for 4-12 batteries
- Smart charge monitoring and indicators
- Organised shelves and cable management
- Ventilated or fire-retardant housings
- Label and inventory systems

Typical Uses in the Workshop

- Charge the workshop tool battery fleet
- Keep drill and driver batteries ready
- Track battery health and rotation
- Contain charging in one safe area

Safe Operation

1. Plug batteries into the chargers in rotation
2. Use the labels to track which are charged
3. Check the indicators before issue
4. Record batteries that fail or smell
5. Switch off the station overnight

SAFETY NOTES

- Charge only on stable, non-flammable surfaces
- Keep the station away from water and heat
- Do not overcharge or charge damaged batteries
- Check batteries for swelling before charging
- Use only certified chargers for the batteries

Maintenance & Consumables

- Clean the contacts and slots
- Check the chargers and cables
- Rotate batteries to even the wear
- Replace worn chargers
- Update the inventory as batteries age

Specification & Buying Notes

Match the chargers to the battery platform and buy a station rack with cable management. Fire-retardant charging bags add safety. Book the station close to the tool storage.