

Official resource

# Battery Bank Inspection and Isolation Checklist

SLUG	battery-bank-inspection-and-isolation-checklist
SUMMARY	Printable inspection and isolation checklist for yacht battery banks, including visual condition, charger status, BMS alarms, ventilation, isolation points, and escalation triggers.
RESOURCE TYPE	Checklist
RESOURCE AREA	Power & electrical
INTENDED AUDIENCE	Chief engineers, ETOs, second engineers, AV/IT officers
ESTIMATED USE MINUTES	20
DOCUMENT LABEL	Download PDF
PDF	battery-bank-inspection-and-isolation-checklist-v1-0.pdf
VERSION	1.0
PUBLICATION STATUS	Published resource archive
IMPORTANT NOTE	This resource is practical operational guidance. It does not replace the vessel SMS, flag or class requirements, manufacturer manuals, competent electrical advice, or the authority of the Captain and responsible technical officers onboard.

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## Bank identification

- Battery bank name and location recorded.
- Battery chemistry, voltage, capacity, age and installation date recorded.
- Protected loads identified, including emergency, UPS, AV/IT, bridge, radio or service loads.
- Charger, inverter or BMS model recorded.
- Main isolation point and charger isolation point identified.

## Visual and space checks

- Space is clean, dry, accessible and free of stored items.
- No swelling, cracking, leakage, deformation, corrosion or heat marks visible.
- Terminals are covered and cables are supported against chafe.
- Ventilation path is clear and fan or forced ventilation has been checked.
- No unusual heat, smell, smoke, water ingress or chemical residue present.

### Charging and monitoring

- Charger mode, voltage and current recorded.
- Battery monitor or BMS status checked.
- Active alarms photographed or logged before reset.
- Float or charge settings checked against known configuration.
- Battery temperature or thermal trend reviewed where available.

### Isolation and escalation

- Isolation sequence is labelled and accessible.
- Confirm whether isolation affects emergency, alarm, radio, bridge or monitoring loads.
- Stop and escalate swelling, heat, leakage, BMS shutdown, water ingress, damaged cables or unknown alarms.
- Record photos, readings, defects, corrective actions and next inspection date.