

BATTERY ENERGY STORAGE SYSTEM (BESS) INSPECTION CHECKLIST

GENERAL INFORMATION

Name: _____

Date: _____

Location: _____

Physical Enclosure

- ☐ Yes ☐ No — Enclosure panels are intact with no dents or corrosion
- ☐ Yes ☐ No — Doors and access panels close securely and seal properly
- ☐ Yes ☐ No — Cooling vents are unobstructed and free of debris
- ☐ Yes ☐ No — Grounding straps are attached and in good condition

Electrical Connections

- ☐ Yes ☐ No — All cable terminations are tight and labeled
- ☐ Yes ☐ No — Busbars show no signs of overheating or discoloration
- ☐ Yes ☐ No — Fuse and breaker ratings match system specifications
- ☐ Yes ☐ No — Isolation switches operate without resistance

Safety Systems

- ☐ Yes ☐ No — Fire suppression system is charged and functional
- ☐ Yes ☐ No — Emergency stop buttons are accessible and testable

☐ Yes ☐ No — Warning signage is present and legible

☐ Yes ☐ No — Personal protective equipment is available on site

Monitoring & Controls

☐ Yes ☐ No — BMS displays normal voltage and temperature ranges

☐ Yes ☐ No — Alarms trigger correctly during fault simulation

☐ Yes ☐ No — Data logging is continuous and timestamps accurate

☐ Yes ☐ No — Remote communication links are active and secure

FINAL NOTES

Inspector Comments:

Inspector Name: _____

Inspector Email: _____

Inspection Date: _____

☐ I confirm this inspection was completed accurately