

Maintenance & Service Schedule Record Sheet



To be retained by the BESS owner over the lifespan of this product.

Frequency	Items	Activity	Activity Type	Completion Date	Contractor Stamp, Name & Comments
Monthly					
Monthly	Voltage Inspection	Check the voltage of the battery system through the HMI. Ensure there is no abnormal voltages across all batteries.	Virtual report to the plant owner.	Recorded in software from date of commissioning.	N/A
	SOC Inspection	Check the state of charge of the battery system through the HMI. Ensure there is no abnormal SOC across all batteries.			
	Balancing Inspection	The battery array can become unbalanced. Ensure balancing by charging all batteries to full capacity. This is normally completed automatically by the system however we suggest to perform a 100% charge every month as a minimum to maintain accuracy.			
	History Inspection	Analyse the history for any events or alarms.			
	Temperature Inspection	Measure and record the battery temperature.			
Quarterly					
1	Cable Inspection	Check all mechanical connections are fixed sufficiently. Visually inspect cables for breakages signs of aging or becoming loose.	Physical Inspection		
2					
3					
4					

* If the BESS container is sited in an hostile environment and exposed to an abnormal amount of dust & salt etc such found in a coastal or mining area's for Items marked with an asterisk these items and activities should be performed monthly to ensure good operation and your warranty validity.

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Frequency	Items	Activity	Activity Type	Completion Date	Contractor Stamp, Name & Comments	Completion Date	Contractor Stamp, Name & Comments
Hal-Year				First Half-Year		Second Half-Year	
*Contamination Inspection		<ul style="list-style-type: none"> Inspect and remove any dust Inspect and clean any filters Clean and lubricate any appropriate mechanical moving parts Check for pests or any potential entry points 	Physical Inspection				
*Electrical System Inspection		Inspect the electrical system for loose connections, damaged wires, or signs of heat or degradation.					
*Gasket Inspection		Examine for cracks, wear, tear and aging. These rubber seals line the doors of your container and prevent water from entering the container.					
*Appearance Inspection		General check of all BESS container equipment for signs of aging, fatigue or overheating.					
*Alarm & Security System		Inspect individual components and check functionality.					
Fire Suppression System		Visit by a certified gas suppression engineer which includes a Room Integrity Test (RIT), and complete inspection of your suppression system and all associated components. A functional inspection of your fire alarm i.e. panel, detectors or sounders etc. All servicing and maintenance works carried out in accordance with BS EN 15004 and BS 5839-1. Comprehensive report and diagnosis of any issues that may require remedial work.					
*HVAC system		<ul style="list-style-type: none"> Change or clean the Air Filters Check the Thermostat. Check and Tighten All Electrical Connections. Inspect the Refrigerant Lines. Check or Clean Your Evaporator. Inspect Cooling Coils for Frost or Ice Buildup. Check and Clear the Condensate Drain Line. 					
Yearly			Activity Type	Completion Date	Contractor Stamp, Name & Comments		
Yearly Discharge test		Perform a discharge test - BESS must be 100% charged, discharge to 0% SOC & Re-charge.	Physical Inspection				

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