

SunNest B-10

Residential Battery System | Synthetic Owner Manual | Revision 1.0

About This Manual

This synthetic manual provides owner information for the SunNest B-10 residential battery system. It covers system records, routine maintenance, inspections, warranty milestones, service conditions, and basic safety guidance. Keep this manual with the battery system records for future reference.

System Information

Item	Information
Product	SunNest B-10 Residential Battery System
Model	B-10
Document	Synthetic Owner Manual, Revision 1.0
Maintenance reference date	Commissioning date

Maintenance Overview

When	Owner or service action
At commissioning	Record model, serial number, purchase date, commissioning date, and installer contact information.
Within 30 days after commissioning	Complete product registration and keep the confirmation.
30 days after commissioning	Perform the first owner visual inspection.
Every 6 months	Inspect ventilation openings and the area around the battery.
Every 12 months	Complete annual cleaning and visual inspection.
Every 24 months	Arrange a qualified service inspection.
5 years after commissioning	Arrange a battery health and capacity assessment.
90 days before 10-year anniversary	Review warranty status and long-term service options.

Safety notice: The battery system contains hazardous electrical energy. Owners may perform exterior inspections and cleaning only. Do not remove service covers or perform internal electrical work. Internal service must be performed by qualified personnel.

1. Installation, Registration & Warranty

System records

At commissioning, record the model number, serial number, purchase date, commissioning date, and installer contact information. The commissioning date is the reference date for scheduled maintenance and warranty milestones.

Product registration

Complete product registration within 30 calendar days after commissioning. Keep the registration confirmation with the system records.

Initial inspection

Perform the first owner visual inspection 30 days after commissioning. Confirm that ventilation openings are clear, the enclosure is undamaged, the surrounding area is clear, and no persistent warning indicator is present.

Limited warranty

The SunNest B-10 limited warranty period is 10 years from the commissioning date. Warranty claims require proof of purchase, product identification, commissioning information, and available service records.

Warranty review

Review warranty status and long-term service options 90 days before the tenth anniversary of commissioning.

Milestone	Timing	Action
Registration	Within 30 days after commissioning	Complete registration.
Initial inspection	30 days after commissioning	Perform visual inspection.
Battery health assessment	5 years after commissioning	Arrange qualified assessment.
Warranty review	90 days before 10-year anniversary	Review coverage and service options.
Warranty expiration	10 years after commissioning	Limited warranty period ends.

2. Recurring Maintenance

Every 6 months

Inspect the intake and exhaust openings and the area around the battery enclosure. Remove dust, leaves, pet hair, stored objects, or other debris that could block airflow.

Every 12 months

Clean the exterior enclosure with a soft dry or lightly damp cloth. Inspect the enclosure for visible damage. Review the system status history for repeated warnings. Update the owner maintenance record.

Every 24 months

Arrange an inspection by qualified service personnel. The inspection should include accessible electrical terminations, grounding connections, disconnect hardware, and protective devices.

Maintenance item	Interval	Required action
Ventilation openings	Every 6 months	Inspect and clear obstructions.
Area around battery	Every 6 months	Remove debris and stored objects.
Exterior enclosure	Every 12 months	Clean and inspect.
System status history	Every 12 months	Review repeated warnings.
Electrical terminations	Every 24 months	Qualified service inspection.
Grounding and protective devices	Every 24 months	Qualified service inspection.

Condition-based service

Blocked airflow: Clear the obstruction when observed.

Persistent warning: If a warning remains active for more than 24 hours, record the warning and contact qualified service personnel.

Ventilation screen: Inspect every 6 months. Clean when dirty. Replace only when torn, damaged, or unable to remain securely installed.

3. Service & Owner Reference

Battery health

Schedule a battery health and capacity assessment 5 years after commissioning. Request diagnostic service earlier if reported capacity or usable runtime changes substantially.

Protective device event

A blown fuse, opened protective device, or repeated shutdown is not routine maintenance. Qualified service personnel must determine the cause before replacement or reset.

Item	Scheduled interval	Service trigger
Ventilation screen	Inspect every 6 months	Replace if torn, damaged, or unable to remain secure.
Cooling system	None	Warning remains active for more than 24 hours.
Fuse / protective device	None	Device opens or fuse blows; diagnose before replacement.
Battery	5-year health assessment	Earlier service if performance changes substantially.
Battery system	None	No scheduled replacement age.

Critical owner rules

- Do not remove service covers or access energized internal components.
- Do not obstruct intake or exhaust openings.
- Keep stored objects away from ventilation areas.
- Do not use pressure washing or direct water spray.
- Do not replace internal fuses, wiring, battery modules, or protective devices unless qualified to perform the work.
- Record recurring warnings and provide them to service personnel.
- Keep purchase, commissioning, registration, maintenance, and service records with the system.

Document information

Document: SunNest B-10 Synthetic Owner Manual

Revision: 1.0

Applicable model: SunNest B-10