SITE survey. APP

SITE SURVEY REPORT

Battery Storage Installation Record

Prepared for	R. Ahmed
Date	10 Oct 2026
Site	8 Station Road
Prepared by	L. Ford

FORM

Battery Storage Installation Record

1. Battery

Project	8 Station Road: 13.5 kWh home battery commissioning check (completed example)
Client	R. Ahmed
Site	8 Station Road
Site address	8 Station Road, Ely
Date commissioned	10 Oct 2026
Time commissioned	13:00
Installer	SunRoof Solar
Battery make and model	Halden Home 13.5 kWh all-in-one
Usable capacity (kWh)	13.5
Inverter	AC-coupled battery inverter
Inverter AC rating (kW)	6

This is the installer's site record of the installation and tests. The formal electrical installation certificate is issued separately, from the installer's registration scheme or certification software.

2. Location and fire safety

Where it is installed	Outside wall

PAS 63100:2024 (BSI) says batteries should be installed outdoors where practicable, for example in an outbuilding. It says they shall not be installed in rooms where people sleep, in escape routes such as hallways, landings and stairs, in lofts, roof spaces or voids, within 2 m of stored flammable materials or fuel tanks, or in cellars with no access to the outside. PAS 63100 is not law, but the IET Code of Practice for energy storage says it should be used for battery location.

Distance to the nearest door, window, escape route or ventilation opening (m)	0.34

Distance to the nearest door, window, escape route or ventilation opening (m): measuring photo



Against the 1 m in PAS 63100	Less than 1 m
What was done about the distance, and who was told	Found at the commissioning check: the battery was fitted about 0.3 m from the side door. Left isolated at the AC and DC isolators and not put into service. Mr Ahmed told on site; the battery is being moved to the rear wall, more than 2 m from any opening, on 14 October, then recommissioned.

> PAS 63100 says outdoor batteries shall not be within 1 m of escape routes, doors, windows or ventilation openings.

Is there a smoke or multi-sensor detector covering the battery, interlinked with the home's fire alarms?	Yes
Manufacturer's clearances and mounting met?	Yes
DC and AC isolation fitted and labelled?	Yes

3. Tests and commissioning

Continuity R1 + R2 (Ω)	0.28
Insulation resistance test voltage	500 V
Insulation resistance, live to live (MΩ)	200
Insulation resistance, live to earth (MΩ)	200
Polarity	Correct
Earth fault loop impedance Zs, measured (Ω)	0.48
Maximum permitted Zs for this device (Ω)	1.37

Measured Zs as a share of the maximum (%)	35
RCD operating time at rated residual current (ms)	19
Test results needing attention	0
Charge and discharge tested?	Yes
Backup or EPS	Fitted, not tested
Monitoring app set up for the customer?	Yes
DNO route	Applied before installation (Form A1-1)

> MCS guidance: where G98 applies, submit G98 Form B to the DNO within 28 days of installation. Where G99 applies, and for installations over 3.68 kW with energy storage, Form A1-1 must be submitted before installation. Integrated solar and storage that meets the fast-track conditions uses Form A1-2, also before installation.

DNO reference	A1-204417

4. Handover

Photos of the battery, isolators, labels and clearances





Handed over	Electrical installation certificate, Manuals and warranty, How to isolate in an emergency, App login
Customer name	R. Ahmed
Customer signature	R. Ahmed

Installer name	SunRoof Solar
Installer signature	