SITE survey. APP

SITE SURVEY REPORT

Solar Panel Maintenance

Prepared for	Hollins Farm Ltd
Date	22 Sep 2026
Site	Hollins Farm, Kendal
Prepared by	F. Moorcroft

FORM

Solar Panel Maintenance

1. Record details and scope

Project	Hollins Farm, Kendal: ground-mount solar PV maintenance (completed example)
Site or premises address	Hollins Farm, Underbarrow Road, Kendal
Client or organisation	Hollins Farm Ltd
Record date	22 Sep 2026
Person completing the record	F. Moorcroft

> This is a maintenance evidence record, not electrical design or isolation instructions. PV circuits can remain energised in daylight; switching off an inverter is not proof that every circuit is dead.

2. Equipment and work

Solar PV system asset ID and location	PV-01, ground-mounted PV array in the east paddock, inverters on the frame at the north end of the rows
Manufacturer, model and serial number	Monocrystalline modules (138 off) on fixed galvanised frames, and two string inverters. Serial numbers in the system handover pack HF-PV-HP.
Maintenance procedure and revision	Annual PV maintenance procedure SPV-MP-02 rev 3
Technician and competence reference	F. Moorcroft, PV maintenance technician, Lakeland Solar Services Ltd, card LSS-022
Planned work and exclusions	Annual visual inspection walking the rows, monitoring review, inverter check, clean of the soiled modules on row 2, vegetation cut back along row 3. Excludes electrical testing of DC strings and the AC installation.
Safe isolation or permit reference	No DC work planned. After the cracked module was found, INV-2 was switched off, the string 3 DC isolator opened and tagged, then INV-2 restarted. Permit HF-PTW-0922.

3. Array and access

Array locations, module type and system capacity	East paddock, 138 modules in 6 strings across 3 rows, about 55 kWp
Inverter identifiers and firmware or alarm references	INV-1 and INV-2, firmware current per monitoring portal. INV-2 showed an insulation warning on 2026-09-02, cleared itself.

Roof access, edge protection and access-plan reference	Walked between the rows from the paddock gate. Livestock kept out of the paddock for the visit. Access plan HF-AP-03.
Areas inaccessible or excluded from inspection	Rear of the modules and the frame fixings at ground level only. Cable runs in the buried duct not seen.

4. Condition and performance

Visible module damage and soiling recorded	Action needed
Action, limitation or reason not applicable	One module in string 3, row 2 position 14, has cracked front glass. Heavy bird soiling along the lower edge of row 2, cleaned with water and a soft brush.
Mounting and roof interface observations recorded from safe access	Action needed
Action, limitation or reason not applicable	Frames sound. Brambles and tall weeds growing up in front of the bottom cells along row 3, shading them.
Visible cables, connectors and labels checked within authorised scope	Action needed
Action, limitation or reason not applicable	One cable on string 3 hanging loose under the module edge, not clipped. Labels at inverters and isolators present and legible.
Inverter alarms and monitoring data reviewed	Action needed
Action, limitation or reason not applicable	INV-2 insulation warning in the log on 2026-09-02. Likely related to the cracked module on string 3. For specialist testing.
Checks needing action	4
Are there defects to record?	Yes

Defects 1: Row 2, string 3, module 14

Array, row and module	Row 2, string 3, module 14
Defect	Cracked or broken glass
What you found	Impact crack across the glass from the lower corner. Likely a stone thrown up by the mower.
Priority	Urgent: isolate or make safe
Position on site	Row 2, module 14 · 54.330710, -2.804120 (SD 47805 93091, ±4 m)

Photos



Defects 2: Row 2, modules 1 to 22

Array, row and module	Row 2, modules 1 to 22
Defect	Heavy soiling or bird fouling
What you found	Bird droppings and dust along the lower edge. Cleaned on this visit.
Priority	Monitor
Position on site	Row 2, west end · 54.331020, -2.803550 (SD 47843 93125, ±5 m)

Photos



Defects 3: Row 3, modules 30 to 46

Array, row and module	Row 3, modules 30 to 46

Defect	Vegetation or new shading
What you found	Brambles and weeds up to the bottom cells. Cut back on this visit, roots left.
Priority	Repair soon
Position on site	Row 3, middle · 54.330490, -2.804660 (SD 47770 93067, ±4 m)

Photos



Defects recorded	3
Urgent defects	1

> An urgent defect is recorded. Record the isolation or restriction and who was told on the handback page.

Generation period and comparison basis	Last 12 months from the export meter, compared with the design estimate in the handover pack.
Generation for the period (kWh)	49800
Expected for the same period (kWh)	53000
Generation against expected (%)	94
Specialist electrical test report references	DC insulation resistance test on string 3 to be done by Lakeland Solar Services electrical tester, report to follow as LSS-TR-26-118.

5. Work and handback

Work performed and parts used	Row 2 cleaned. Vegetation cut back along row 3. Loose string 3 cable clipped back with UV-stable clips. String 3 DC isolator opened and tagged.
Post-work tests and evidence	INV-2 running on the remaining strings, output checked on the portal at 14:30. INV-1 normal.

Equipment handback	Restricted use
Restrictions, isolation and person informed	String 3 isolated at its DC isolator and tagged, rest of the array running. Module still live in daylight, no one to touch it. Farm manager R. Dent told at 14:40.

Condition and work evidence photos



6. Actions and review

Are further actions required?	Yes

Further action 1: Replace the cracked module on string 3 and carry out DC insulation resistance test on the string. Report LSS-TR-26-118.

Action and evidence reference	Replace the cracked module on string 3 and carry out DC insulation resistance test on the string. Report LSS-TR-26-118.
Person responsible	F. Moorcroft, Lakeland Solar Services Ltd
Target date	13 Oct 2026
Action status	Open

Further action 2: Keep livestock out of the east paddock on the repair date.

Action and evidence reference	Keep livestock out of the east paddock on the repair date.
Person responsible	R. Dent, farm manager
Target date	13 Oct 2026
Action status	Open

Further action 3: Treat the bramble roots along row 3 and add the paddock edge to the grounds maintenance schedule.

Action and evidence reference	Treat the bramble roots along row 3 and add the paddock edge to the grounds maintenance schedule.
Person responsible	R. Dent, farm manager
Target date	30 Nov 2026
Action status	Open
Actions still open	3
Outstanding limitations and information to pass on	Visual and monitoring checks only. No electrical tests done on this visit. String 3 isolated until repaired.
Record status	Further work needed
Reviewed by	R. Dent, farm manager
Review date	23 Sep 2026
Author signature	

Signing records the information entered. It does not itself certify legal compliance, remove a limitation or authorise unsafe work.