

# Main power transformer — technical datasheet extract

<b>Application reference</b>	TAC-2026-0010
<b>Project</b>	Adalbertofield Solar Scheme
<b>Developer / client</b>	Kilback - Veum SPV Ltd
<b>Parent developer</b>	Hudson, Feeney and Ernser
<b>Document (as filed)</b>	Transformer Datasheet 1 (v3)
<b>Inferred type</b>	transformer datasheet
<b>Category</b>	technical
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This controlled extract supports TAC-2026-0010 for Adalbertofield Solar Scheme. It must be read with the latest connection offer assumptions, fault level study, and earthing design. Declared export capability: 73 MW (export). Technology: solar\_plus\_bess. Interface: Terrencefort BSP · 132 kV class interface.

<b>Drawing / doc no.</b>	TAC-2026-0010-TEC-TRANSFORMER-01
<b>Revision</b>	C — issued for connection review
<b>Author</b>	Authorised technical representative

**Key parameters (representative)**

- Primary plant ratings and protection zones cross-referenced to relay setting files in the confidential appendix.
- Selectivity between incomer, transformer HV, and feeder protection maintained for minimum fault contributions.

## Transformer Datasheet 1 (v3) — supporting appendix

This appendix (sheet 3) supplements TAC-2026-0010 for Adalbertofield Solar Scheme. It cross-references the declared export capability (73 MW (export)), the technology mix (solar\_plus\_bess), and the connection scope at Terrencefort BSP · 132 kV class interface. Figures in the operator-facing pack may supersede this extract where stamped “controlled copy”.

Workstream	Cross-ref	Operator review notes
Land & access	LA-3	Verify red-line, access rights, and any wayleave assumptions against latest survey.
Planning & consent	PC-3	Confirm commencement conditions and discharge of pre-commencement items.
Electrical design	EL-3	Align SLD, protection, and fault level study with latest DNO / TO model version.
Programme	PR-3	Critical path through reinforcement, primary plant, and commissioning tests.

## Transformer Datasheet 1 (v3) — supporting appendix

This appendix (sheet 4) supplements TAC-2026-0010 for Adalbertofield Solar Scheme. It cross-references the declared export capability (73 MW (export)), the technology mix (solar\_plus\_bess), and the connection scope at Terrencefort BSP · 132 kV class interface. Figures in the operator-facing pack may supersede this extract where stamped “controlled copy”.

Workstream	Cross-ref	Operator review notes
Land & access	LA-4	Verify red-line, access rights, and any wayleave assumptions against latest survey.
Planning & consent	PC-4	Confirm commencement conditions and discharge of pre-commencement items.
Electrical design	EL-4	Align SLD, protection, and fault level study with latest DNO / TO model version.
Programme	PR-4	Critical path through reinforcement, primary plant, and commissioning tests.

## Transformer Datasheet 1 (v3) — supporting appendix

This appendix (sheet 5) supplements TAC-2026-0010 for Adalbertofield Solar Scheme. It cross-references the declared export capability (73 MW (export)), the technology mix (solar\_plus\_bess), and the connection scope at Terrencefort BSP · 132 kV class interface. Figures in the operator-facing pack may supersede this extract where stamped “controlled copy”.

Workstream	Cross-ref	Operator review notes
Land & access	LA-5	Verify red-line, access rights, and any wayleave assumptions against latest survey.
Planning & consent	PC-5	Confirm commencement conditions and discharge of pre-commencement items.
Electrical design	EL-5	Align SLD, protection, and fault level study with latest DNO / TO model version.
Programme	PR-5	Critical path through reinforcement, primary plant, and commissioning tests.

## Transformer Datasheet 1 (v3) — supporting appendix

This appendix (sheet 6) supplements TAC-2026-0010 for Adalbertofield Solar Scheme. It cross-references the declared export capability (73 MW (export)), the technology mix (solar\_plus\_bess), and the connection scope at Terrencefort BSP · 132 kV class interface. Figures in the operator-facing pack may supersede this extract where stamped “controlled copy”.

Workstream	Cross-ref	Operator review notes
Land & access	LA-6	Verify red-line, access rights, and any wayleave assumptions against latest survey.
Planning & consent	PC-6	Confirm commencement conditions and discharge of pre-commencement items.
Electrical design	EL-6	Align SLD, protection, and fault level study with latest DNO / TO model version.
Programme	PR-6	Critical path through reinforcement, primary plant, and commissioning tests.

## Transformer Datasheet 1 (v3) — supporting appendix

This appendix (sheet 7) supplements TAC-2026-0010 for Adalbertofield Solar Scheme. It cross-references the declared export capability (73 MW (export)), the technology mix (solar\_plus\_bess), and the connection scope at Terrencefort BSP · 132 kV class interface. Figures in the operator-facing pack may supersede this extract where stamped “controlled copy”.

Workstream	Cross-ref	Operator review notes
Land & access	LA-7	Verify red-line, access rights, and any wayleave assumptions against latest survey.
Planning & consent	PC-7	Confirm commencement conditions and discharge of pre-commencement items.
Electrical design	EL-7	Align SLD, protection, and fault level study with latest DNO / TO model version.
Programme	PR-7	Critical path through reinforcement, primary plant, and commissioning tests.

## Transformer Datasheet 1 (v3) — supporting appendix

This appendix (sheet 8) supplements TAC-2026-0010 for Adalbertofield Solar Scheme. It cross-references the declared export capability (73 MW (export)), the technology mix (solar\_plus\_bess), and the connection scope at Terrencefort BSP · 132 kV class interface. Figures in the operator-facing pack may supersede this extract where stamped “controlled copy”.

Workstream	Cross-ref	Operator review notes
Land & access	LA-8	Verify red-line, access rights, and any wayleave assumptions against latest survey.
Planning & consent	PC-8	Confirm commencement conditions and discharge of pre-commencement items.
Electrical design	EL-8	Align SLD, protection, and fault level study with latest DNO / TO model version.
Programme	PR-8	Critical path through reinforcement, primary plant, and commissioning tests.

## Transformer Datasheet 1 (v3) — supporting appendix

This appendix (sheet 9) supplements TAC-2026-0010 for Adalbertofield Solar Scheme. It cross-references the declared export capability (73 MW (export)), the technology mix (solar\_plus\_bess), and the connection scope at Terrencefort BSP · 132 kV class interface. Figures in the operator-facing pack may supersede this extract where stamped “controlled copy”.

The datasheet identifies warranty-backed ratings, operating envelopes, and defect-liability assumptions.

Workstream	Cross-ref	Operator review notes
Land & access	LA-9	Verify red-line, access rights, and any wayleave assumptions against latest survey.
Planning & consent	PC-9	Confirm commencement conditions and discharge of pre-commencement items.
Electrical design	EL-9	Align SLD, protection, and fault level study with latest DNO / TO model version.
Programme	PR-9	Critical path through reinforcement, primary plant, and commissioning tests.

## Transformer Datasheet 1 (v3) — supporting appendix

This appendix (sheet 10) supplements TAC-2026-0010 for Adalbertofield Solar Scheme. It cross-references the declared export capability (73 MW (export)), the technology mix (solar\_plus\_bess), and the connection scope at Terrencefort BSP · 132 kV class interface. Figures in the operator-facing pack may supersede this extract where stamped “controlled copy”.

Workstream	Cross-ref	Operator review notes
Land & access	LA-10	Verify red-line, access rights, and any wayleave assumptions against latest survey.
Planning & consent	PC-10	Confirm commencement conditions and discharge of pre-commencement items.
Electrical design	EL-10	Align SLD, protection, and fault level study with latest DNO / TO model version.
Programme	PR-10	Critical path through reinforcement, primary plant, and commissioning tests.

Reactive capability is described, but grid-forming mode is not expressly labelled.

## Transformer Datasheet 1 (v3) — supporting appendix

This appendix (sheet 11) supplements TAC-2026-0010 for Adalbertofield Solar Scheme. It cross-references the declared export capability (73 MW (export)), the technology mix (solar\_plus\_bess), and the connection scope at Terrencefort BSP · 132 kV class interface. Figures in the operator-facing pack may supersede this extract where stamped “controlled copy”.

Factory acceptance testing, sea freight, and site receipt windows are stated relative to contractual delivery dates.

Workstream	Cross-ref	Operator review notes
Land & access	LA-11	Verify red-line, access rights, and any wayleave assumptions against latest survey.
Planning & consent	PC-11	Confirm commencement conditions and discharge of pre-commencement items.
Electrical design	EL-11	Align SLD, protection, and fault level study with latest DNO / TO model version.
Programme	PR-11	Critical path through reinforcement, primary plant, and commissioning tests.

## Transformer Datasheet 1 (v3) — supporting appendix

This appendix (sheet 12) supplements TAC-2026-0010 for Adalbertofield Solar Scheme. It cross-references the declared export capability (73 MW (export)), the technology mix (solar\_plus\_bess), and the connection scope at Terrencefort BSP · 132 kV class interface. Figures in the operator-facing pack may supersede this extract where stamped “controlled copy”.

Workstream	Cross-ref	Operator review notes
Land & access	LA-12	Verify red-line, access rights, and any wayleave assumptions against latest survey.
Planning & consent	PC-12	Confirm commencement conditions and discharge of pre-commencement items.
Electrical design	EL-12	Align SLD, protection, and fault level study with latest DNO / TO model version.
Programme	PR-12	Critical path through reinforcement, primary plant, and commissioning tests.