Local Battery Installers

GRID CONNECTION PACK

Your G99 SGI-2 paperwork

Prepared for Sam Carter · 14 Mill Lane, Manchester, M20 2AB

21 November 2026

What is in your pack

1. **Start here: your route**
   Why this is G99 SGI-2, the figures behind it, and what happens in what order.
2. **G99 Form A1-2: your data sheet**
   Every field the form asks for, filled in from your answers, with the codes already chosen.
3. **Evidence checklist**
   What to gather before the form is started, and where to find each item.
4. **How Electricity North West takes it**
   The portal, email and quirks of your network operator, and how to confirm it from the MPAN.
5. **Letter to your installer**
   Asks the installer to confirm, in writing, what will be sent and when, and to give you the reply.
6. **Covering email to the network operator**
   Summarises the system in the operator's own terms, with wording for the export limitation description.
7. **After commissioning: the confirmation**
   The second form, due within 28 days, that completes the record.
8. **Chaser and confirmation request**
   For an overdue reply, and for the written confirmation an export tariff supplier wants.
9. **Export tariff and handover checklist**
   What the Smart Export Guarantee needs, what catches people out, and what to keep on file.

How to use it

Read document 1 first: it explains your route and the order things happen in. Then hand documents 2 and 3 to your installer with the letter in document 5. In the Word copy, yellow highlights mark what is left to fill in.

DOCUMENT 1 OF 9

Start here: your route

You told us about 2 units at 14 Mill Lane, Manchester, M20 2AB on a single-phase supply. On those figures your route is:

EREC G99 SGI-2: apply first (fast track)

No unit is above 16 A, the units add up to 28.7 A per phase (under 32 A) and a G100 scheme limits export to 16 A. The form is **G99 Form A1-2**.

The figures behind it

Unit	Status	Registered capacity	Design capacity	Storage
Solis S6-GR1P3.6K (solar inverter)	Existing	3.6 kW (15.7 A)	3.6 kW (15.7 A)	None
GivEnergy AC Coupled 3.0 (AC coupled battery inverter)	Proposed	3 kW (13.0 A)	3 kW (13.0 A)	9.5 kWh

Total registered capacity	6.6 kW, which is 28.7 A
Largest single unit	15.7 A registered, 15.7 A design capacity
Export limitation (EREC G100)	Limited to 16 A per phase
Backup or island mode	No
Network operator	Electricity North West

Amps are worked out at 230 volts: 3.68 kW is 16 A on a single phase. Registered capacity is the inverter's normal maximum output. Design capacity (EREC G99 calls it Intrinsic Design Capacity) is what the hardware could produce if the manufacturer had not limited it. For most inverters the two are the same.

What happens, in order

1. **Apply before anything is installed.** The application goes to Electricity North West on Form A1-2 with the two attachments listed in document 3.
2. **The DNO gives its result within 10 working days** of receiving the application (EREC G99 6.2.2.3).
3. **Nothing is to be installed or commissioned** until the DNO has told you the outcome.
4. **The commissioning date on the form** must be between 10 working days and 3 months after the day you apply.
5. **Within 28 days of commissioning**, the installer confirms it on Form A3-2 (document 7).

6. **If the DNO says further analysis is needed**, the fast track ends and the application carries on under its standard process.

Who sends it

The duty to tell the network operator sits with the installer, and the forms carry an installer's declaration and signature. Your part is to give the installer complete, correct information, to check that it was actually sent, and to get a copy of the reply. Documents 2 and 3 are what you hand over. Document 5 asks for it in writing.

Based on EREC G98 Issue 2 and EREC G99 Issue 2 (2025) and Electricity North West's published process, read on 21 November 2026. General information, not engineering advice. The network operator decides what it accepts.

DOCUMENT 2 OF 9

G99 Form A1-2: your data sheet

This sheet holds the information G99 Form A1-2 asks for, in the order the form asks for it, filled in from your answers. Electricity North West may take it through an online form in place of the paper one. EREC G98 says the electronic versions simply replicate the data the paper forms require, so the same answers apply.

Yellow marks what is still to be filled in, and each gap says who fills it. Gaps marked **You** are things you can find yourself: your supply number is on any electricity bill, and battery sizes are on the quote or data sheet. Gaps marked **Installer** are technical details only the installer has, such as equipment references and the export limit settings. Hand this sheet to your installer with document 3 and let them complete those.

Generator details

Generator (name)	Sam Carter
Address	14 Mill Lane, Manchester, M20 2AB
Contact person, if different	[You: leave blank if the same]
Telephone number	[You: telephone]
Email address	sam.carter@example.com
MPAN(s)	[You: 13-digit supply number (MPAN) from your electricity bill]

Installer details

Installer	Northern Solar Ltd
Accreditation or qualification	[Installer: for example MCS certificate number]
Address and postcode	[Installer: business address]
Contact person	[Installer: contact name]
Telephone number	[Installer: telephone]
Email address	[Installer: email]

Installation details

Address and postcode	14 Mill Lane, Manchester, M20 2AB
MPAN(s)	[You: 13-digit supply number (MPAN) from your electricity bill]

Existing unit: Solis S6-GR1P3.6K (solar inverter)

Manufacturer and model	Solis S6-GR1P3.6K
Date of installation	2021
Energy source and conversion technology	Source R (Solar), technology 11 (Photovoltaic)
Manufacturer's reference number	[Installer: system reference from the ENA Type Test Register]
Registered capacity	3.6 kW under PH1 (15.7 A per phase)
Intrinsic design capacity	3.6 kW (15.7 A per phase)
Energy storage capacity	Not applicable

Proposed unit: GivEnergy AC Coupled 3.0 (AC coupled battery inverter)

Manufacturer and model	GivEnergy AC Coupled 3.0
Approximate date of installation	12 January 2027
Energy source and conversion technology	Source S (Stored Energy), technology 38 (Storage, lithium ion battery). Change 38 if the battery is not lithium ion (33 is lead acid)
Manufacturer's reference number	[Installer: system reference from the ENA Type Test Register]
Registered capacity	3 kW under PH1 (13.0 A per phase)
Intrinsic design capacity	3 kW (13.0 A per phase)
Energy storage capacity	9.5 kWh

Statements to confirm on the form

Form A1-2 asks you to tick each of these. Against each is how it stands on the figures you gave.

The generating units are in a single Generator's installation	Confirm: one property, one supply
The design capacity of each new and existing unit is no more than 32 A	Largest is 15.7 A

All units, including storage, are connected through G98 or G99 type tested inverters (G83 or G59 if installed before 27 April 2019)	You told us yes. Add each register reference above
The total registered capacity of all units, including storage, is no more than 60 A per phase	Total is 28.7 A
A G100 compliant export limitation scheme is present, where SGI-2 or SGI-3 requires one	Yes, set to 16 A

Export limitation and dates

Export limit setting in amps	16 A per phase
Target date for commissioning	12 January 2027. It must be at least 10 working days and no more than 3 months after the day the application is sent
EREC G100 compliance declaration or type test reference	[Installer: G100 type test reference of the export limitation device]
Signed and dated	[Installer: signature and date]

Capacities are recorded in kW at 230 V AC to one decimal place, under PH1 for a single-phase supply. Use a separate line for each unit, new and existing.

DOCUMENT 3 OF 9

Evidence checklist

Gather these before the form is started. A complete submission is the main thing that keeps an application inside the DNO's response time.

Always needed

- **The MPAN.** The 13-digit supply number on your electricity bill, usually the bottom row of the box marked S. It is not the meter serial number. Its first two digits identify the network operator (Electricity North West is 16).
- **The Type Test Register reference for every inverter** , existing and new. Your installer provides these. You can check them yourself by searching the manufacturer and model at connect-direct.energynetworks.org. The model on the register must match the model on the quote, including the power rating.
- **Each inverter's data sheet**, showing rated AC output in kW or kVA. Installers supply these, and manufacturers publish them on their websites. If the output has been limited below the hardware's rating, the manufacturer's document confirming the limited setting.
- **A clear photograph of the cut-out**, the sealed fuse carrier where the supply cable enters the property, usually beside the meter, taken square on with the fuse rating label legible. Do not open it or break the seal: it belongs to the network operator. EREC G98 5.1.3 requires this for notifications made through the ENA Connect Direct platform, and DNOs ask for it on applications too.
- **The battery's usable capacity in kWh**, from its data sheet.
- **The installer's accreditation**, for example the MCS certificate number, and a named contact. Ask the installer; it should also be on their quote.

For the export limitation scheme

- **A single line diagram of the export limitation scheme.** One drawing showing the supply cut-out and meter, the consumer unit, each inverter and battery, the current sensor or meter that measures export and where it sits, the isolators, and the communication link between the sensor and the inverter.
- **A written description of how the scheme works, including its fail-safe.** It has to say what the scheme does if any component fails or if communication between the sensor and the inverter is lost. Document 6 includes wording to adapt.
- **The G100 type test reference** of the export limitation device, or the manufacturer's G100 compliance declaration.
- **Fail-safe tests:** the form notes that fail-safe tests are not required where all units are G83 or G98 type tested, the total is no more than 32 A per phase and export is limited to 16 A per phase. Your figures fit that.

Keep for later

- The system schematic. Under G98 a copy is left on site at the incoming meter position.
- The commissioning record and the installation certificate, for example the MCS certificate.
- The network operator's acknowledgement or approval, saved as a PDF. You will need it for an export tariff and when you sell the property.

The register is at https://connect-direct.energynetworks.org. If a model is missing from it, ask the manufacturer for its G98 or G99 type test certificate and tell the installer before any form is sent.

DOCUMENT 4 OF 9

How Electricity North West takes it

Electricity North West runs the local network at M20 2AB.

How it takes applications

- Electricity North West handles generation and storage connections through its generation and storage pages, where the current forms and online routes are listed.
- Its connections team (it calls it PACE) can be reached on 0800 988 1730 or at pace@enwl.co.uk if you are unsure which form applies.

Where to start	Electricity North West: generation and storage: https://www.enwl.co.uk/get-connected/apply-for-a-new-connection/generation-and-storage/
Email	pace@enwl.co.uk
Telephone	0800 988 1730
Shared portal	ENA Connect Direct, https://connect-direct.energynetworks.org, which also holds the Type Test Register

Check the operator from the MPAN

The first two digits of the 13-digit MPAN identify the network, whoever supplies your electricity.

First two digits	Network operator
10, 12, 19	UK Power Networks (Eastern, London, South Eastern)
11, 14, 21, 22	National Grid Electricity Distribution (East Midlands, West Midlands, South Wales, South West)
13, 18	SP Energy Networks (Cheshire, Merseyside and North Wales; Southern Scotland)
15, 23	Northern Powergrid (North East, Yorkshire)
16	Electricity North West
17, 20	SSEN (Northern Scotland, Southern England)
24 and above	An independent network operator, common on newer estates. Its name is on the cut-out or the connection agreement. Send the form to it, not to the regional operator.

Table from the ENA Distributed Generation Connection Guide, March 2025. Network operators change their forms, inboxes and portals. Check the page above for the current route on the day you send.

DOCUMENT 5 OF 9

Letter to your installer

Sam Carter
14 Mill Lane, Manchester, M20 2AB
sam.carter@example.com

29 November 2026

Northern Solar Ltd

Network operator application for 14 Mill Lane, Manchester, M20 2AB

I am going ahead with the system described below and want the network operator paperwork handled correctly and on time.

On the figures in your quote, the system comes under **G99 SGI-2**: a total registered capacity of 6.6 kW (28.7 A per phase), a largest unit of 15.7 A design capacity, and export limited to 16 A under EREC G100. That means G99 Form A1-2, sent to Electricity North West before any equipment is installed. Please tell me if you read it differently, and why.

Please confirm in writing:

- That you will send G99 Form A1-2 to Electricity North West before any equipment is installed, and the date you expect to send it.
- That no equipment will be installed or commissioned until the network operator has given its answer.
- The ENA Type Test Register reference for each inverter, matching the exact models supplied.
- The make and G100 type test reference of the export limitation device, the limit it is set to, and how it fails safe.
- That you will send me Electricity North West's acknowledgement or approval as soon as you have it, and the commissioning confirmation once the system is running.
- That a copy of the system schematic will be left at the meter position, and that I will receive the installation certificate.

I enclose the application data and the evidence checklist so that nothing is missing. I need the network operator's reply for my export tariff application, so please treat it as part of the job and not an optional extra.

Yours faithfully,

Sam Carter

Send this by email so there is a dated record. Attach documents 2 and 3.

DOCUMENT 6 OF 9

Covering email to the network operator

Use this when the form goes by email to pace@enwl.co.uk. If you use the DNO's online form instead, keep the wording for the notes field.

Subject

G99 SGI-2 application: M20 2AB, MPAN [You: 13-digit supply number (MPAN) from your electricity bill]

Message

Dear Connections team,

Please find attached G99 Form A1-2, an application under Small Generation Installation Procedure 2 of EREC G99 for the property at 14 Mill Lane, Manchester, M20 2AB.

The installation comprises an existing solar inverter of 3.6 kW, and a new AC coupled battery inverter of 3 kW with 9.5 kWh of storage. The total registered capacity is 6.6 kW, which is 28.7 A per phase on a single-phase supply. Export is limited to 16 A per phase by a scheme fully type tested to EREC G100. All inverters are fully type tested and their ENA Type Test Register references are on the form.

The target commissioning date is 12 January 2027. No equipment will be installed or commissioned before you confirm the outcome of your assessment.

Attached:

- G99 Form A1-2, completed and signed
- Photograph of the cut-out
- Single line diagram of the export limitation scheme
- Description of the export limitation scheme and its fail-safe operation

Please acknowledge receipt and let me have your response within the 10 working days EREC G99 allows. The customer needs your written reply for an export tariff application.

Yours faithfully,

Northern Solar Ltd

Wording for the export limitation description

The export limitation scheme uses [Installer: make and model of the export limitation device or meter], fully type tested to EREC G100 (reference [Installer: G100 type test reference]). A current sensor at [Installer: location, for example the incoming supply tails after the meter] measures the power flowing to the network on each phase and passes it to [Installer: the inverter or controller] over [Installer: the communication link, for example RS485 cable].

The scheme holds export from the installation at or below 16 A per phase by reducing the output of the inverters. If the sensor, the controller or the communication link fails, or communication is lost, the scheme [Installer: states the fail-safe response from the manufacturer's G100 documentation, for example reduces output so that export cannot exceed the limit, within the time G100 requires].

Take the fail-safe wording from the manufacturer's G100 documents. Do not describe behaviour the equipment has not been tested for.

DOCUMENT 7 OF 9

After commissioning: the confirmation

Approval is the first half. After commissioning, the installer confirms it on Form A3-2 within 28 days, counting the day of commissioning. Until that is done the network operator's record is incomplete, and it is this confirmation that produces the reply you need for an export tariff.

Part 1: the installation

Generator (name), address and postcode	Sam Carter, 14 Mill Lane, Manchester, M20 2AB
Telephone and email	[You: telephone], sam.carter@example.com
MPAN(s)	[You: 13-digit supply number (MPAN) from your electricity bill]
Generator signature	[You: your signature]
Installer, accreditation, address and contact	Northern Solar Ltd, [Installer: accreditation, address, contact name, telephone and email]
Installer signature	[Installer: signed by the installer]
Location within the Generator's installation	[You: where the equipment is, for example garage, loft, utility room]
Location of lockable isolation switch	[Installer: where the isolation switch will be, for example next to the consumer unit]

Part 2: each unit commissioned

One entry for each inverter and each storage device, as commissioned. If the installation is phased, an entry is sent as each part is completed.

Manufacturer and reference	GivEnergy AC Coupled 3.0
Date of installation	[Installer: date commissioned]
Energy source and conversion technology	Source S (Stored Energy), technology 38 (Storage, lithium ion battery). Change 38 if the battery is not lithium ion (33 is lead acid)
Manufacturer's reference number	[Installer: system reference from the ENA Type Test Register]
Registered capacity	3 kW
Energy storage capacity	9.5 kWh

The commissioning sheets EREC G100 requires for the export limitation scheme go in with this form.

The details commissioned must match what was approved. If a different model or size was fitted, tell the network operator before sending the confirmation, because the approval was for the equipment on the application.

DOCUMENT 8 OF 9

Chaser and confirmation request

Two short messages. The first is for when a reply is overdue. The second asks for the written confirmation that export tariff suppliers want.

1. Chaser

Subject: G99 SGI-2 application sent [You: date sent]: M20 2AB, MPAN [You: 13-digit supply number (MPAN) from your electricity bill]

Dear Connections team,

On [You: date sent] you were sent G99 Form A1-2 for the property at 14 Mill Lane, Manchester, M20 2AB. EREC G99 paragraph 6.2.2.3(c) provides for your response within 10 working days of receiving the application, and that date has passed.

Please confirm that you hold a complete application, tell me if anything is missing, and let me know when I will have your reply. The installation is booked and cannot go ahead without it.

Yours faithfully,

Sam Carter

2. Request for written confirmation

Subject: Request for confirmation of connected generation: M20 2AB, MPAN [You: 13-digit supply number (MPAN) from your electricity bill]

Dear Connections team,

I am the owner of the generation at 14 Mill Lane, Manchester, M20 2AB. Please send me written confirmation that the installation is recorded on your system, stating the equipment and capacities you hold for it and the date it was approved and its commissioning confirmed.

My export tariff supplier needs this before it can set up export payments. If your record is incomplete, please tell me exactly what you need.

Yours faithfully,

Sam Carter

A network operator may only discuss the detail of a submission with the installer who made it. If so, send the chaser through your installer and keep the second message for yourself: you are entitled to ask what is recorded for your own supply.

DOCUMENT 9 OF 9

Export tariff and handover checklist

The network operator's reply is not the end of the paperwork. It is what unlocks payment for the electricity you export.

What an export tariff needs

Under the Smart Export Guarantee, Ofgem's guidance says an application must show three things:

- **The installation and installer are suitably certified.** For solar up to 50 kW this is usually an MCS certificate. Ofgem also recognises equivalent schemes accredited to EN 45011 or EN ISO/IEC 17065.
- **An export meter** that can take half-hourly readings. A smart meter usually does this.
- **An export MPAN.** This is a different number from the MPAN on your bill. Your export supplier asks the network operator to create it.

Suppliers also set their own requirements. SSEN notes that most suppliers require the network operator's response, the email confirming that your commissioning documents are logged and the system complies with G98 or G99, before you can apply for an export tariff. That is why documents 5 and 8 keep asking for it.

Things that catch people out

- **Batteries and export payments.** The Smart Export Guarantee covers solar, wind, hydro, anaerobic digestion and micro combined heat and power. Where the export meter also records electricity from a battery charged from the grid, Ofgem's guidance says the supplier is not obliged to pay for it, though it can choose to. Check the supplier's terms if you plan to charge from the grid and export.
- **You can choose any export supplier.** It does not have to be the company that supplies your electricity, although some export tariffs are only open to that company's own customers.
- **Feed-in Tariff.** You cannot be paid for the same export under both schemes. A system on the Feed-in Tariff can keep its generation payments and move its export to a Smart Export Guarantee tariff.
- **Changing the system later.** Adding a battery, a second inverter or more panels through a new inverter changes the totals this pack is built on. Work out the route again before the work is done. A battery DC coupled to an existing inverter with no change to the inverter still has to be put to the network operator before it is connected (EREC G99, section 6).

Your handover file

- The network operator's acknowledgement or approval, and the commissioning confirmation.
- The installation certificate, for example the MCS certificate.
- The system schematic and the inverter and battery data sheets.
- The export limitation settings, if any, and a note that they must not be changed without a new application.
- The installer's contact details and warranty papers.

Smart Export Guarantee rules from Ofgem's guidance for generators. Tariff terms are set by each supplier and change. Check the supplier's own page before applying.