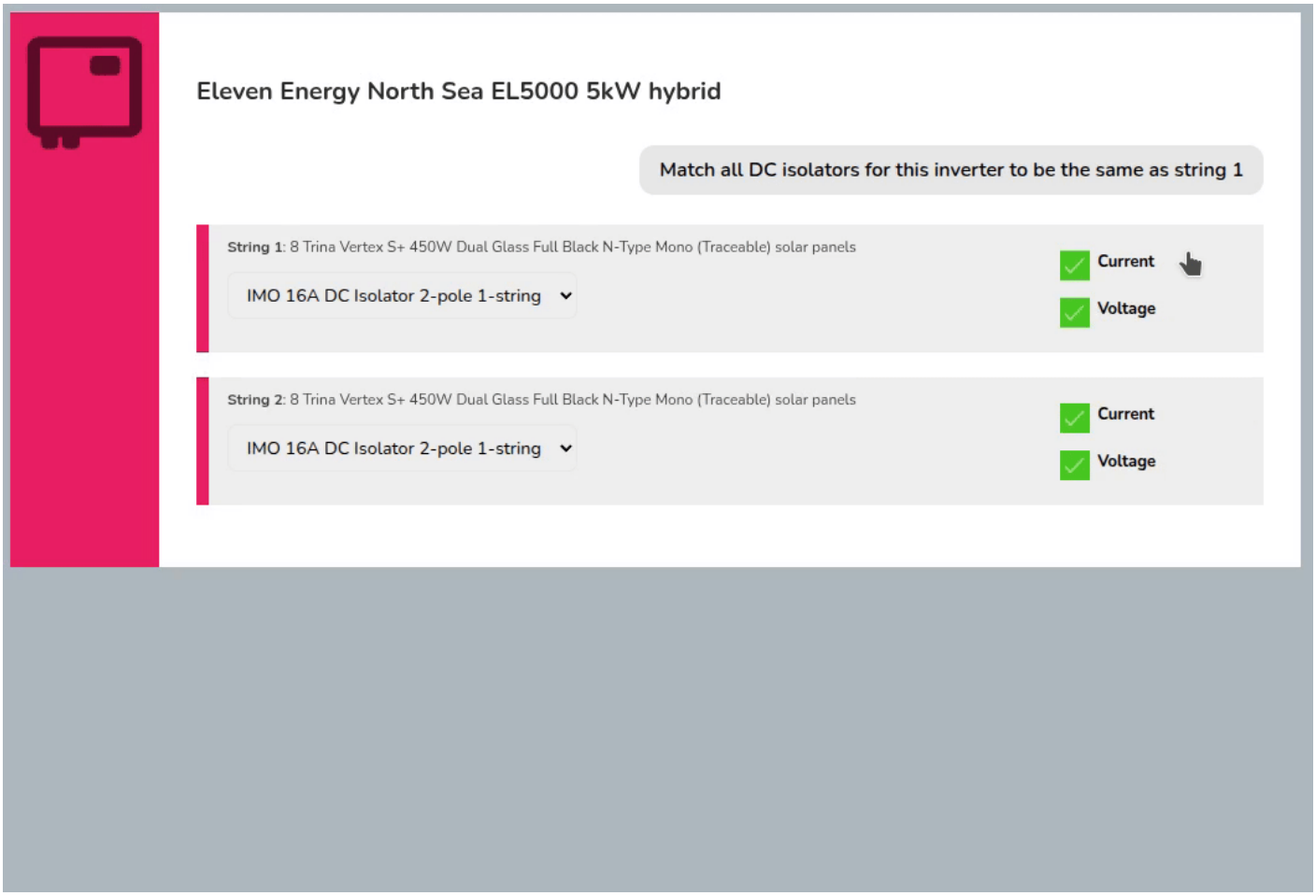
Electrical task

This is the final stage of the kit builder and is where you specify **isolators**, **cables**, **meters** and any other kit needed in the system. Most components are pre-selected automatically based on your panel and inverter choices. You can review and adjust them as needed.

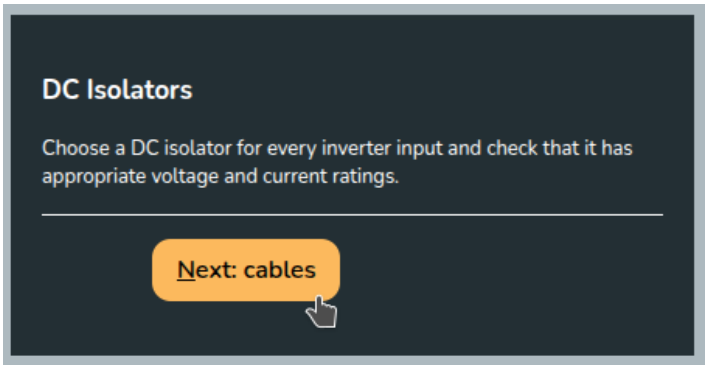
DC Isolators

Choose a DC isolator for each inverter input MPPT.

- Click on the **Current** and **Voltage** sections to view full details.
- Click **Match all DC isolators...** to **bulk edit** DC isolators for that inverter.



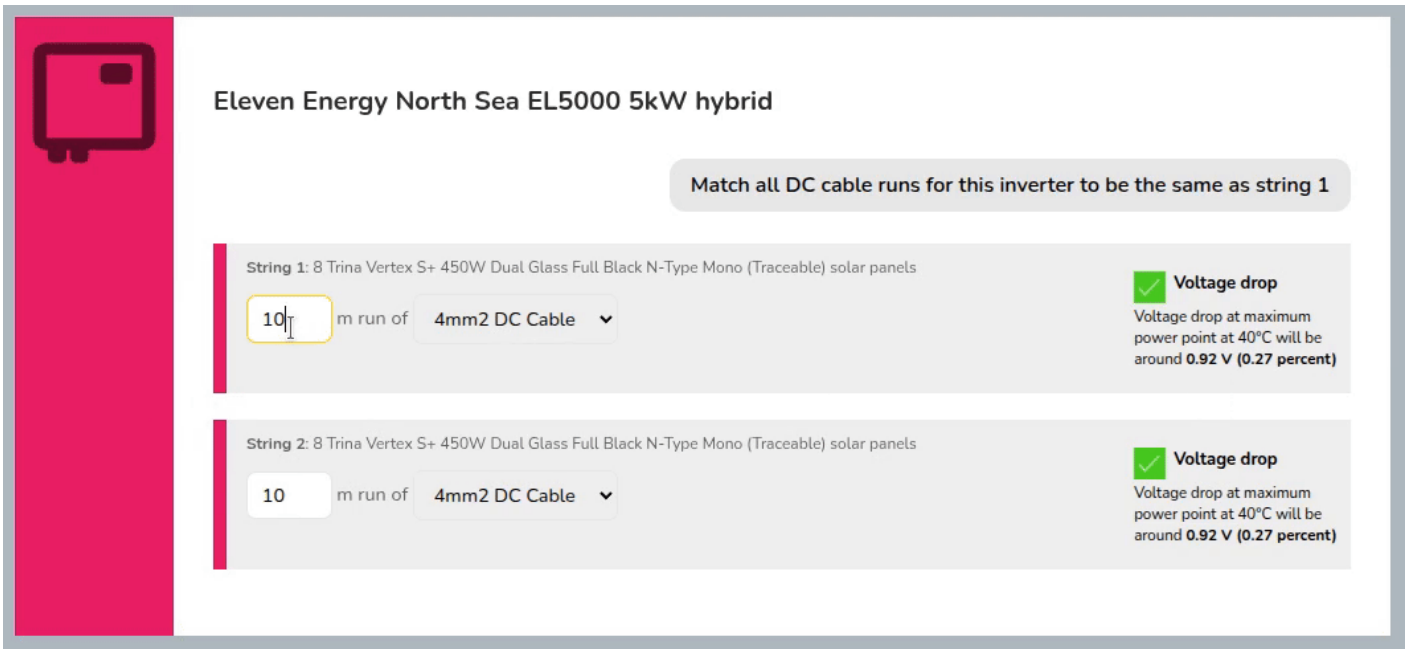
Once selected, you can click **Next: Cables**.



DC cable and connectors

Specify the length of run and cable cross section of the DC cable to check voltage drop.

- Enter the **DC cable run lengths** and select the **size**.
- Use **Match all DC cable runs...** button to **bulk edit** cable size and lengths for that inverter.



If you're not looking to add Solshare, at this point click **Next: AC Isolators**.

SolShare

Solshare 2 by Allume is the first technology that can connect multiple flats to a single, shared rooftop array. It simplifies flat block installations, enables communal battery storage, and boosts SAP & EPC ratings. The tailorable kWp allocation means solar energy is split between flats as and when they need it to maximise self consumption.

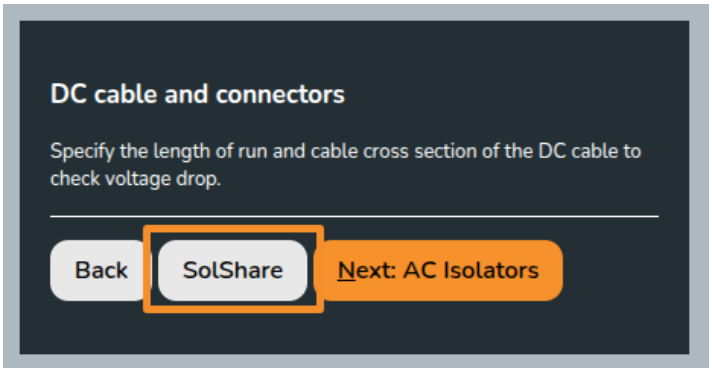
The Solshare unit must be used with a 3ph inverter with a maximum power of 30kW and a maximum output current of 50.9A. SolShare requires a minimum of 6x single-phase or 2x three-phase connections. The site must have a multi-service distribution board (MSDB) supplied by 1x

incoming supply to enable SolShare system to work.

Solshare 2 is compatible with all string inverters that meet these requirements and also Sigenergy hybrid inverters, which are currently the only approved battery solution for Solshare.

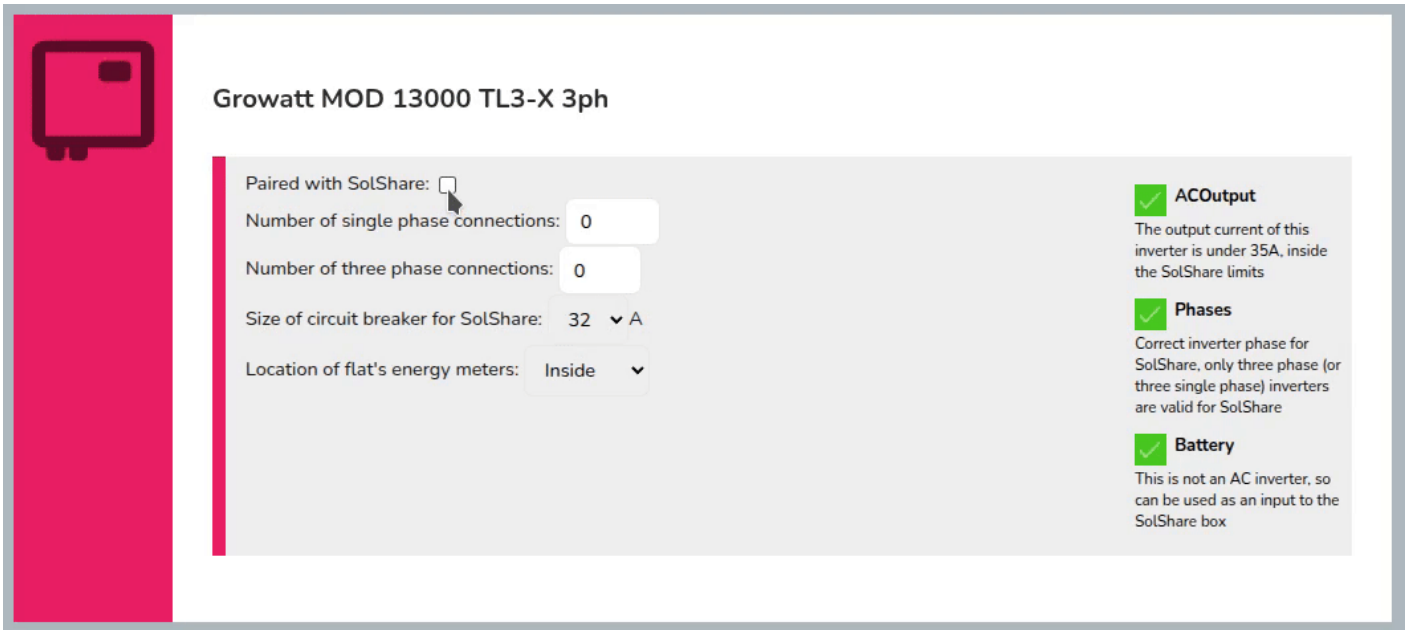
> **If you are completing a battery project please contact Midsummer on 01223 851535 or email trade@midsummerenergy.co.uk.**

Before navigating to the AC Isolators section, you'll see the option to add a SolShare to the project. If you'd like this included in the project, click **SolShare**.



Then:

1. Select which inverters you wish to be paired with SolShare
2. Select how many connections the SolShare will be supplying

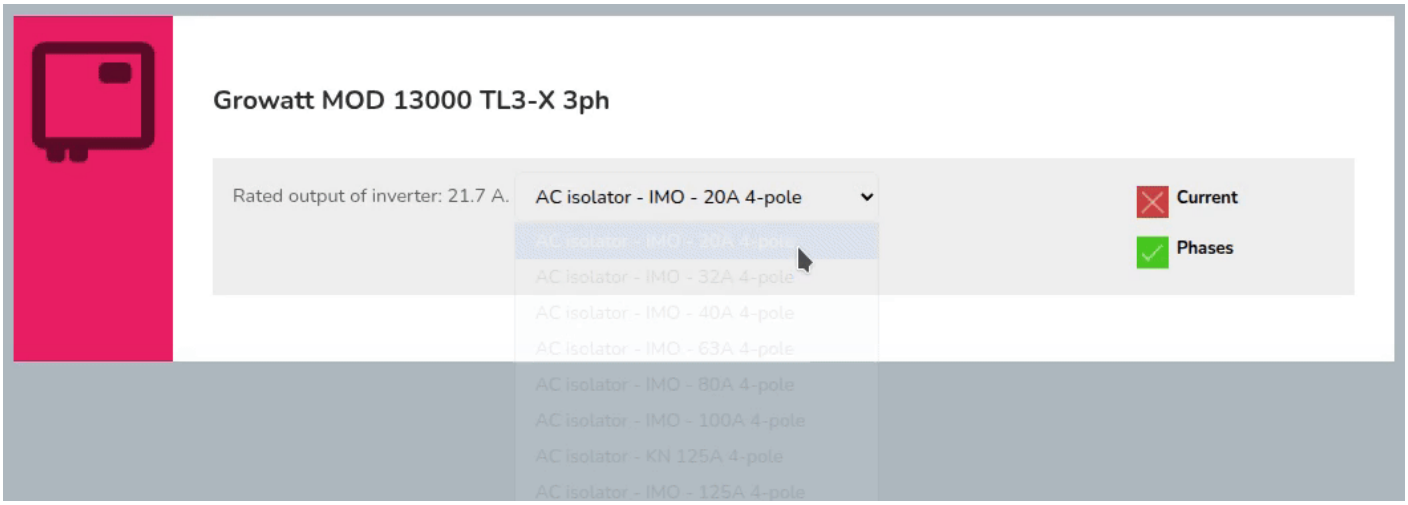


> If the selected inverter is not compatible with Solshare, you will not be able to add one. For guidance on designing a SolShare system, chat to your Midsummer account handler.

> SolShare requires a minimum of 6x single-phase or 2x three-phase connections. The site must have a multi-service distribution board (MSDB) supplied by 1x incoming supply to enable SolShare system to work. **Read more about Solshare here**.

AC Isolators

Specify an appropriate AC isolator for each inverter in your project, and check that it has an appropriate current rating.



Once selected, you can then click **Next: Meters**.

Meter

In this section, you'll be able to select from compatible generation meters.

If no meters supplied by Midsummer are compatible, you will only have the option to select **No meter thanks**. You can also add a custom meter.

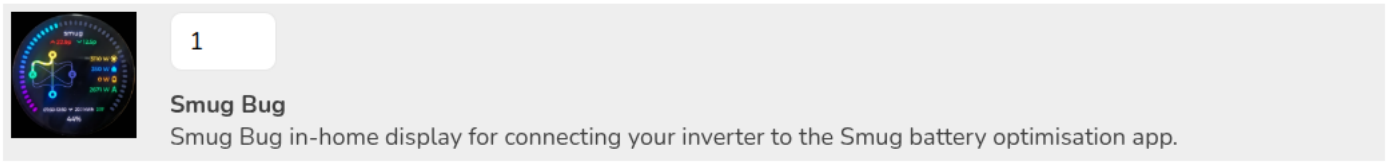
Then click **Next: Extras**.

Extras

Add monitoring, immersion controllers, battery storage and accessories to your project.

Any extras required for components you've already added to the system will be selected automatically. Increase the count of any other extras you'd like included in the project.

A **Smug Bug** will be added automatically in the 'Extras' if you have Smug smart battery optimisation toggled on by default, and if you have selected a compatible inverter.

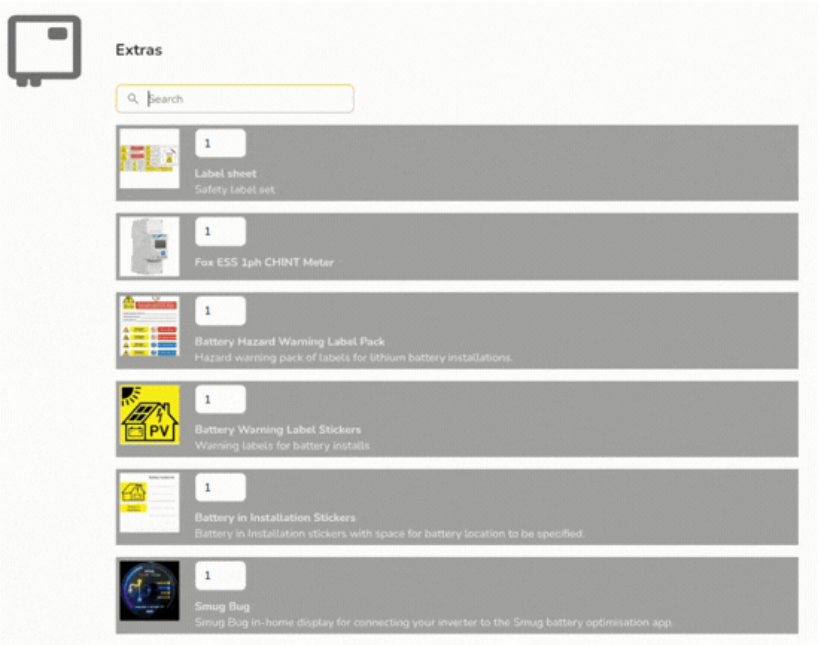


To finish of the electrical task, click **Next: overview**. This will take you to the project overview where you can either click **Add to Cart** on the Midsummer basket or continue with the Performance task.

Search bar

If you need to find something specific in amongst the Extras, you can use the search bar to filter through the catalogue and quickly find the item you need.

- Search by product name or description.
- Results update as you type, and you'll see a clear message if nothing matches.
- Extras that Easy PV adds automatically still appear as before.



Still Need Help?

- **Related FAQs:** Check out our Panels, Inverter and Electrical FAQs for answers to common questions
- **More guides**: Take a look at the Performance task and Financial task guides
- **Live training:** Book onto a live demo session to see this feature in action

Contact Support: If you've got further questions, get in touch with our support team at **help@easy-pv.co.uk** (UK) or **help@easy-pv.ie** (IE). *If you are experiencing a bug, to help us look*

into your issue faster, please include the email address of your account, the name of the project and screenshots of any unexpected behaviour.

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