Custom battery

To add a custom battery in Easy PV navigate to **My Components** > **Batteries** on the left-side menu or **Components** > **Edit Batteries** from the top drop down menu.

You will need the datasheet from the manufacturer, below you will find guidance on how the information in the datasheet corresponds to the values Easy PV asks for.

> If your custom battery is not showing up in the inverter task, see the 'Rules' section and check the compatibility is correct.

Inputting information from datasheet

Below is a list of definitions and potential variations for each value on different manufacturer data sheets:

Technical info	Variations
Battery Capacity: total battery capacity. Usable capacity may be less if there is a max permitted discharge depth.	• Battery module energy • Battery system capacity
Max Discharge: maximum depth to which the manufacturer recommends that this battery is discharged. Typically 80 or 90%.	• Depth of discharge
Round Trip Efficiency: percentage of electricity recovered from the battery in a charge-discharge cycle. Around 95% is typical for lithium ion batteries.	• Peak round-trip efficiency

The battery will auto-save once all the required fields are completed.

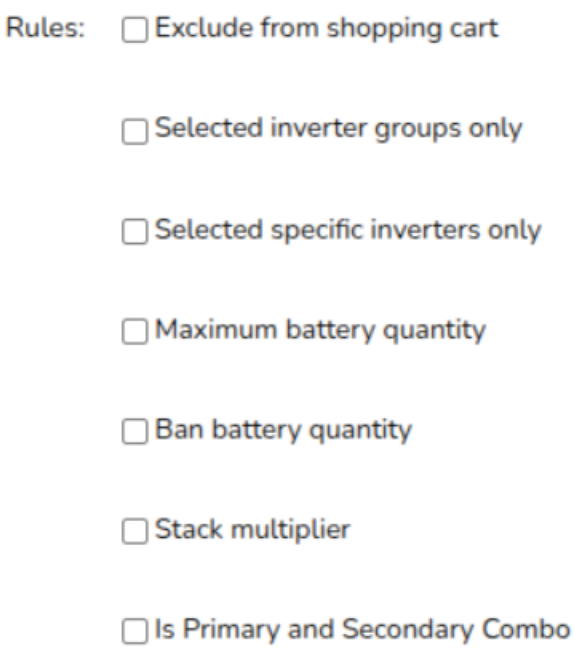
Rules

Notice you can select a variety of rules for the battery. Some key points:

- It is important you select which inverter groups or which specific inverters the battery is compatible with - either by checking '**Selected inverter groups only**' or '**Selected specific inverters only**' and selecting from the menu which inverters it is compatible with.

- If your hybrid inverter is an **all-in-one system** and you would like it to appear in one line in the quote then make sure to input the price in the **inverter** and then select 'exclude from shopping cart' in the **battery** rules - this means it will only include and list the cost of the inverter and not the batteries. Note that this will mean additional batteries will not be priced if more than one battery can be included.
- **Primary and secondary battery combos**: use this rule for systems where a single primary battery is chained to a number of secondary batteries. After ticking this option, a box will appear to fill in more details.

Find out how to set up an all-in-one inverter



Still need help?

- **Related FAQs:** Check out our Custom components FAQs for answers to common questions
- **More guides**: Take a look at our Creating components 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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