

How to stop a Deye plant exporting power to the grid

DeyeCloud web portal procedure, with a real plant check from October 2026 as the worked example

1. Worked example: a villa plant on Koh Samui

Item	Value
Plant	20 kWp villa plant with battery, Koh Samui
Inverter	20 kW Deye hybrid, online, 1 logger and 5 batteries
Checked	18 Oct 2026. Settings read live from the inverter
System Work Mode	Zero Export To CT
Solar Sell	Disable
Zero export power	20 W
Max Sell Power / Max solar power	20000 W / 22000 W
Energy Pattern	Batt First
Outcome	Already set to zero export. No change was sent to the inverter. At the time of the check the flow graph showed about 20 W drawn from the grid, which matches the zero-export target.

Plant names and serial numbers are blurred in the screenshots in this public version.

2. What you need

- A DeyeCloud account with access to the plant (Solar ESS account, **Europe Data Center**).
- The plant must be online (logger connected), otherwise commands cannot reach the inverter.
- For *Zero Export To CT*: a CT or meter installed on the grid supply, pointing the right way.

3. Open DeyeCloud and sign in

Go to www.deyecloud.com, accept the T&Cs popup, then sign in with the e-mail and password. Check that the data centre at the top shows **Europe Data Center**.

Blank white page? DeyeCloud's website has a bug: if the browser's identity string contains "MSIX" (some Windows Store apps do this), DeyeCloud mistakes it for old Internet Explorer and the page never loads. Use Chrome or Edge instead. Both work normally.

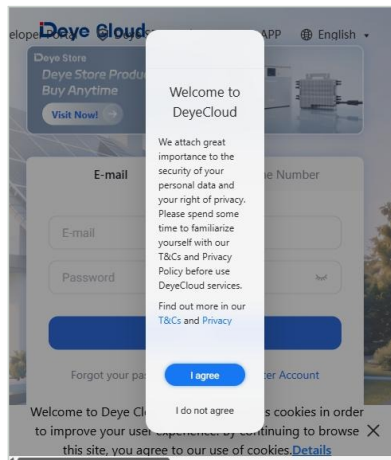


Figure 1. Login page with the T&Cs popup

4. Find the plant

In the left menu open **Overview** → **Plants** (the plant list). Scroll the list or use *More Filters* to find the plant, then click its name.

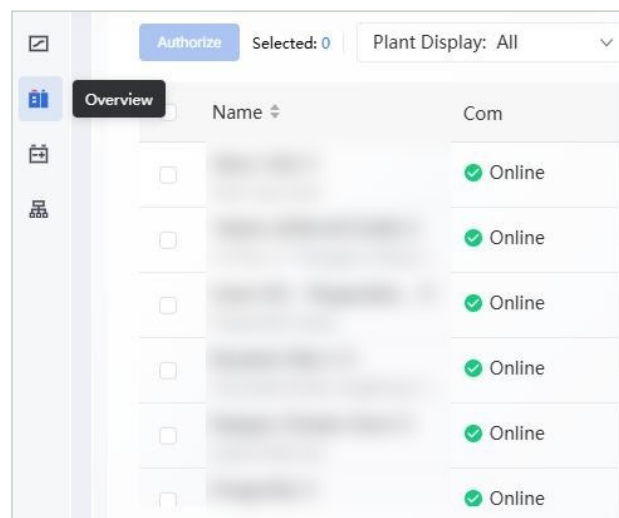


Figure 2. Plant list (plant names blurred)

5. Open the inverter's Device Control

On the plant page click the **Devices** tab. In the inverter row, under **Operation**, click the second icon (sliders), **Device Control**. It opens the control page in a new window.

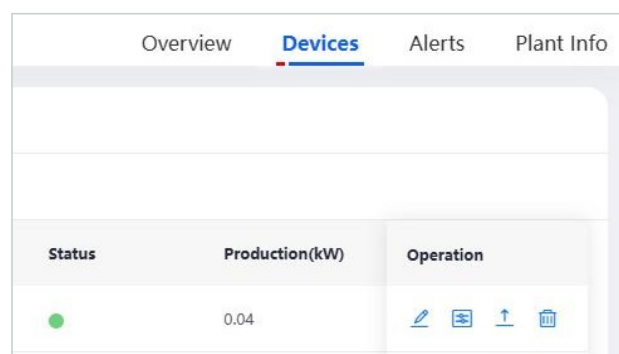


Figure 3. Operation icons: Edit, Device Control, Firmware Upgrade, Delete

6. Read the current export settings

On the control page stay on **Batch Command** and choose **System Work Mode-1** in the left list. Click **Read** at the bottom, and wait for *Read Successfully*, so the values come from the inverter itself and not from an old copy.

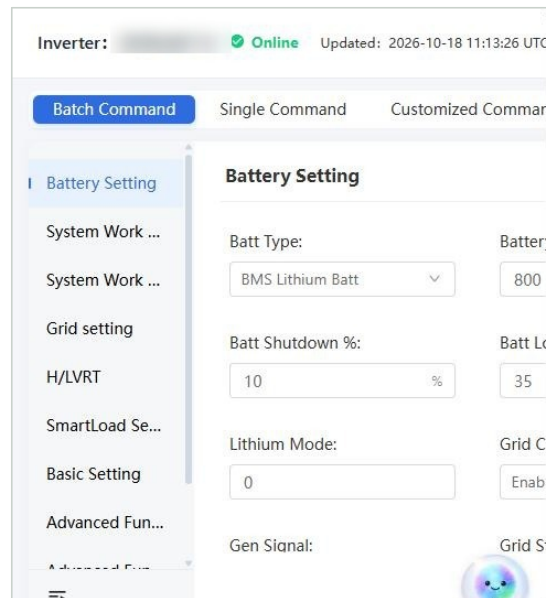


Figure 4. Device Control page, Batch Command

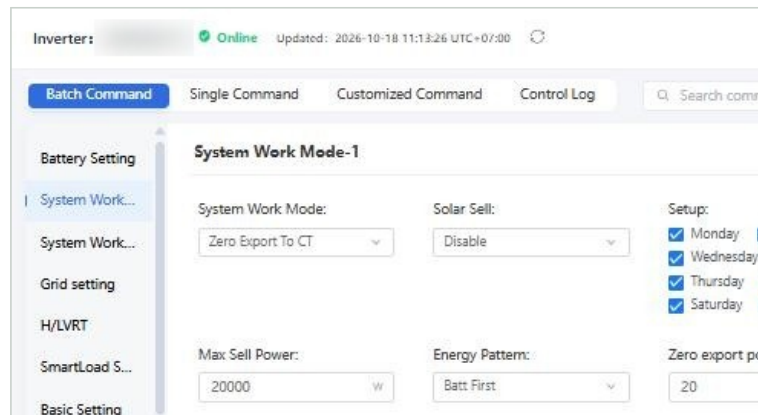


Figure 5. System Work Mode-1 on the example plant, already set to zero export

7. Set zero export (only if it is not already set)

Setting	Set to	Why
System Work Mode	Zero Export To CT	The inverter follows the CT on the grid supply and covers the whole building load without pushing power out. Use <i>Zero Export To Load</i> only when there is no CT; it then covers just the inverter's load port.
Solar Sell	Disable	Turns off selling surplus PV to the grid.
Zero export power	20 W (about 20-50 W)	A small grid import kept as a safety margin, so short load drops do not show up as export.
Max Sell Power	Leave as is (ignored while Solar Sell is disabled)	Some installers also set it to 0 W as a second safeguard.

Then click **Setup** and confirm. Check the **Control Log** tab: the command must show as successful. Finally click **Read** again to confirm the inverter kept the new values.

Setup sends the settings straight to a live inverter. Change only System Work Mode-1. Do not touch Grid setting or H/LVRT unless you know the grid code requirements.

8. Check that export has stopped

- Plant **Overview** flow graph: grid power should show a small import (around the zero-export value), never export, while PV is producing.
- **Generation & Usage History**: *Daily Grid Feed-in* should stay at about 0 kWh from the day of the change.
- If export continues with Zero Export To CT set, check the CT: wrong direction, wrong phase or a loose connection is the usual cause.

9. Quick checklist

Step	Check
1	Plant online, logger connected
2	Devices → inverter → Device Control → Batch Command → System Work Mode-1
3	Read first, and wait for Read Successfully
4	Zero Export To CT, Solar Sell Disable, Zero export power about 20 W
5	Setup, then Control Log shows success, then Read again
6	Flow graph shows import only; Daily Grid Feed-in about 0 kWh