ZENITHNORD CUSTOMER GUIDE

Your SolaX solar inverter and battery

How your SolaX X1-Hybrid G4 inverter and T-BAT H 5.8 battery work, what the screen and lights mean, the work modes, what happens in a power cut, and how to switch everything off safely. Written from SolaX's user manuals.

SolaX X1-Hybrid-5.0-D G4
T-BAT H 5.8 battery
Issue 1 · November 2026

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INVERTER

SolaX X1-Hybrid G4, 5 kW

The white box on the wall. It turns your panels' power into electricity for your home and decides where it goes: house, battery or grid.

BATTERY

SolaX T-BAT H 5.8

5.8 kWh in each module, stacked under a control unit with its own lights. More modules can be added later.

Good to know

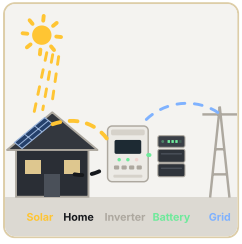
- It all runs itself: you don't need to touch anything day to day
- Check how it's doing in the SolaXCloud app (separate guide)
- No solar at night: that's normal
- Keep the inverter and battery clear and dry
- Keep your handover pack: it has your serial numbers
- Keep the system online in the app

Safety first

- Never open the inverter or battery. There are high voltages inside even when switched off.
- Don't use a battery that is damaged, swollen, leaking or smells odd. Keep away and contact your installer.
- Don't clean them with water or sprays. A dry cloth on the outside only.
- Don't change the advanced settings. They are protected by an installer password for good reason.

01 How it works

Four parts working together.

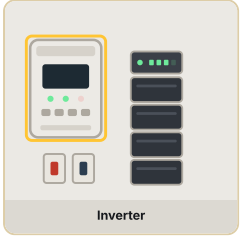


STEP 1

Solar, battery, home and grid

Your panels make electricity in daylight. The **inverter** sends it to your home first, puts spare into the **battery**, and exports the rest to the **grid**.

In the evening the battery runs your home. The grid tops up when the battery is low or you use a lot at once.



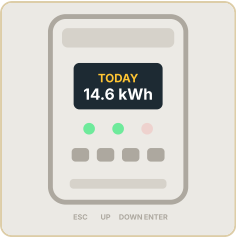
STEP 2

What's on your wall

- **Inverter:** the white box with a screen, three lights and four keys.
- **Battery:** the stack beside it, with lights on the top unit.
- **Isolators:** switches that cut the AC (house) and DC (panels) supply. You only use these in step 12.

02 The inverter

A screen to read, lights to glance at.

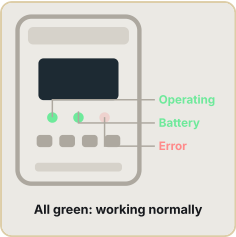


STEP 3

The screen and keys

The screen shows how much power the panels are making, the energy made today and how full the battery is. Press **UP** or **DOWN** to step through, **ENTER** to open the menu and **ESC** to go back.

In the menu, **System Status** shows live figures, **History Data** shows totals and **About** shows serial numbers. Leave **Setting** to your installer.



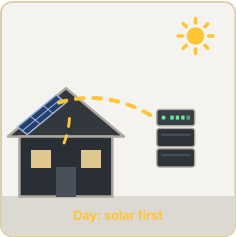
STEP 4

The three lights

- **Operating** green: running normally, or running on backup. Blinking: waiting, checking or switched off.
- **Battery** green: talking to the battery and working. Blinking: talking but resting. Off: no contact.
- **Error** red: a fault. See step 13.

03 Work modes

How the inverter decides where your power goes. Your installer sets the best one for you.



STEP 5

Self Use: the usual setting

Solar runs your home first, then fills the battery, then exports what's left. In the evening the battery runs your home until it reaches its **minimum** (10% as standard), then the grid takes over.

This gets the most from your own solar for most homes.

Self Use

Home first, then battery, then grid.

Feed-in Priority

Home first, then exports the spare.

Backup

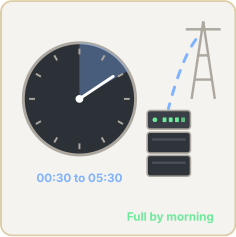
Keeps at least 30% in reserve for power cuts.

Peak Shaving

Uses the battery to cap what you take from the grid at busy times.

Manual

Force charge or discharge. For installers. Goes back after 6 hours.



STEP 6

Cheap night-rate charging

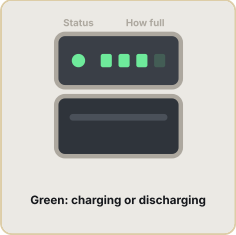
On a tariff with cheap night electricity, the battery can charge from the grid overnight and run your home through the day. This is set as **time slots** in the SolaXCloud app: up to 10 a day, each at least 15 minutes.

Changed tariff? Ask your installer to set the times to match.

> **Changing mode:** it's on the inverter under **Work Mode**, or in the app. If you're unsure, ask your installer first.

04 The battery

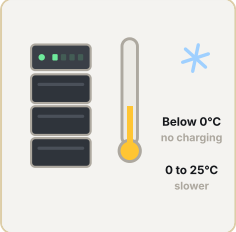
Lights on the top unit tell you what it's doing.



STEP 7

The battery lights

- **Status green:** charging or discharging. A short green blink every few seconds: standby.
- **Status yellow blinking:** the inverter has told it to rest.
- **Status red flashing:** a fault. Contact your installer.
- **The four lights:** how full it is, a quarter each.

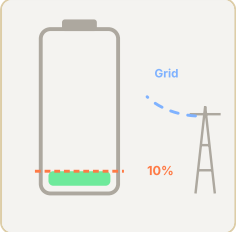


STEP 8

Winter and cold garages

The battery protects itself in the cold. Below about **25°C** it charges more slowly, and near **freezing** it may not charge at all until it warms up.

Short winter days also mean less solar to fill it. Both are normal.



STEP 9

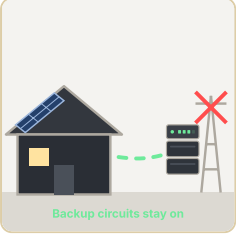
Why it never reaches 0%

The inverter stops using the battery at its **minimum level**, 10% in Self Use and at least 30% in Backup. That keeps the battery healthy and leaves some for a power cut.

Don't switch the battery off yourself unless you're shutting everything down (step 12).

05 Power cuts

Backup, called EPS on the screen.



STEP 10

What happens in a power cut

If your system has backup wired in, it switches over by itself in a split second and the battery and panels keep the **backup circuits** running. Your handover pack says which circuits those are.

Everything else in the house goes off until the grid comes back. Then it switches back by itself.

> **Don't rely on backup for medical equipment.**



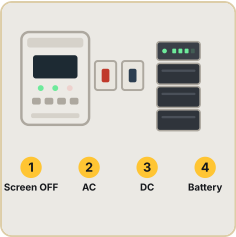
STEP 11

Backup messages

- **EPS Overload:** too much switched on. Turn some things off, then press **ESC**.
- **BatPowerLow:** the battery is low. Switch off big loads and let solar recharge it. Backup comes back once it reaches 30%.
- **Grid Lost** (IE02): the power cut itself. Nothing to do: it clears when the grid returns.

06 Safety and faults

Only switch off in an emergency or if your installer asks.



STEP 12

Switching off safely

1. On the inverter: **ENTER**, then **System ON/OFF**, set to **OFF**.
2. Switch off the **AC isolator**.
3. Switch off the **DC isolator**.
4. Switch off the battery: hold its **POWER** button for 3 to 5 seconds until the lights go out, or switch off its breaker.

Wait 5 minutes before touching anything. Ask your installer to switch it back on.



STEP 13

A fault code

If the red **Error** light comes on, the screen shows the fault name and a code starting **IE**. The same alarm shows in the SolaXCloud app.

Write down the code, then contact your installer. Some clear themselves: see the list below.

These clear by themselves

- **Grid Lost, Grid Volt, Grid Freq** (IE02 to IE04): a problem with the mains. It restarts when the grid is back to normal.
- **BatPowerLow** (IE18): switch off big loads and press ESC.
- **Overload** (IE16, IE17): reduce the load and press ESC.

Contact your installer for

- PV Volt (IE05), Isolation (IE13), Temp Over (IE14), Low Temp (IE21), Fan (IE20).
- BMS Lost (IE19), Bat Temp (IE106, IE107), Meter (IE109).
- Any red battery light, or a fault that keeps coming back.

Quick reminders

Tick them off as you go. Nothing here is saved or sent.

- [ ] Know where the inverter, battery and isolators are
- [ ] Green lights mean all is well
- [ ] SolaXCloud app set up and online
- [ ] Know which circuits stay on in a power cut
- [ ] Know the safe switch-off order
- [ ] Handover pack and serial numbers kept safe

Help and warranty

Your warranty details are in your handover pack. SolaX's terms reward keeping the system connected to SolaXCloud, so keep it online.

SolaX manuals: solaxpower.com, then search for X1-Hybrid G4 or T-BAT H 5.8.

Your installer can check your system remotely through SolaXCloud if you give them access.

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