

ONLINE WEBINAR STUDER & BYD BATTERY-BOX

✓ FRIDAY, FEBRUARY 18TH

🕒 4pm Beijing time



Robert ZHOU



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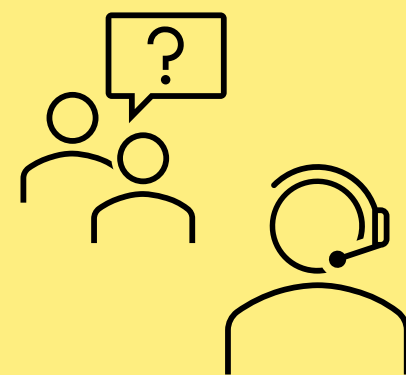
What's next3?!

Studer Innotec & BYD Battery Box webinar: together for energy autarky

PROGRAM			
(5') WELCOME speech	(20') STUDER presentation	(20') BYD presentation	(20') Q + A session

Support

Emails
Calls
Diagrams



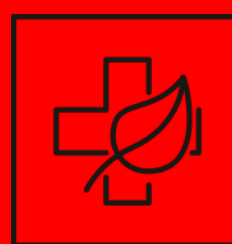
Warranty

10 years



Reliability

100% Swiss-Made



100% renewable energy



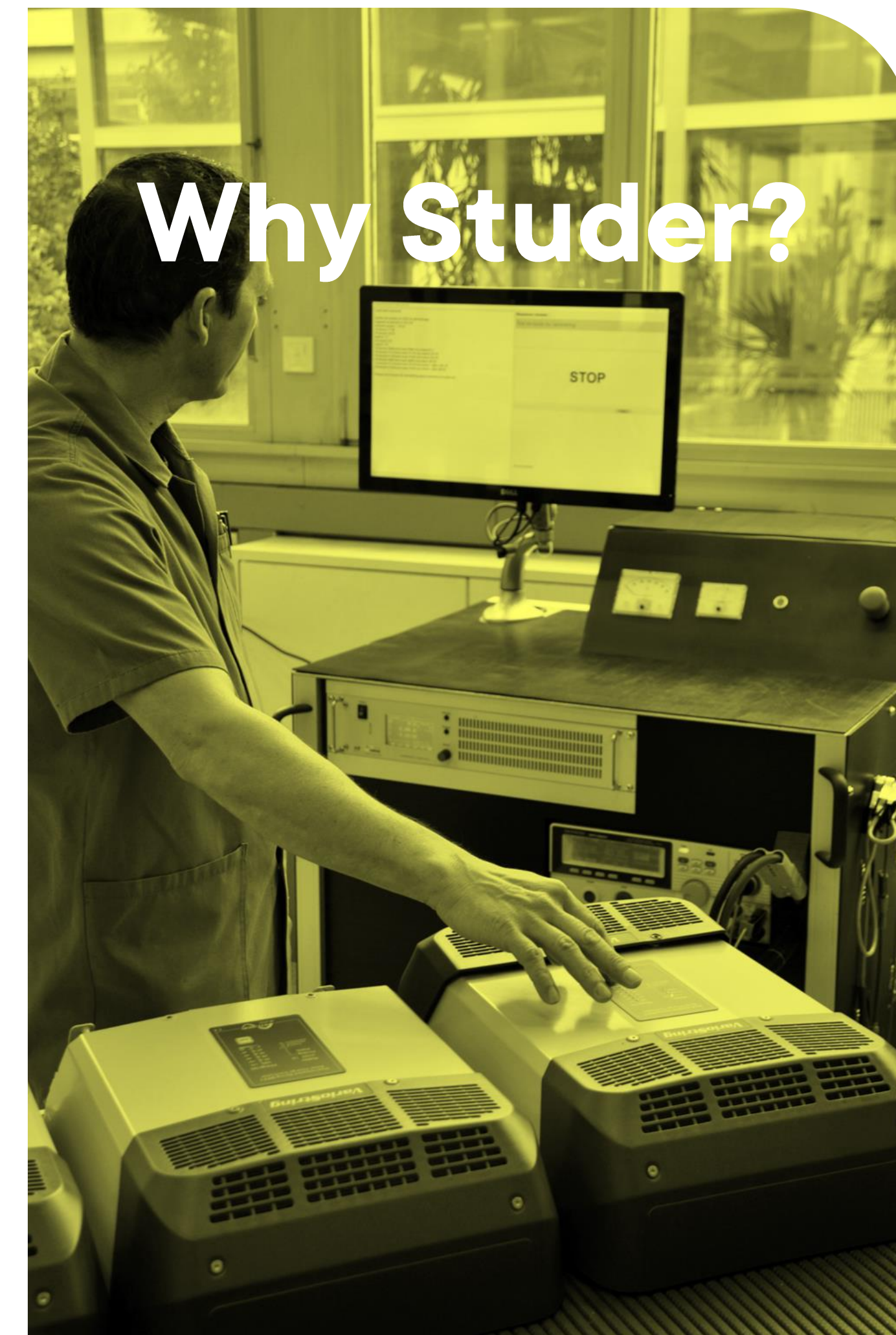
Innovation

35% HR in R&D

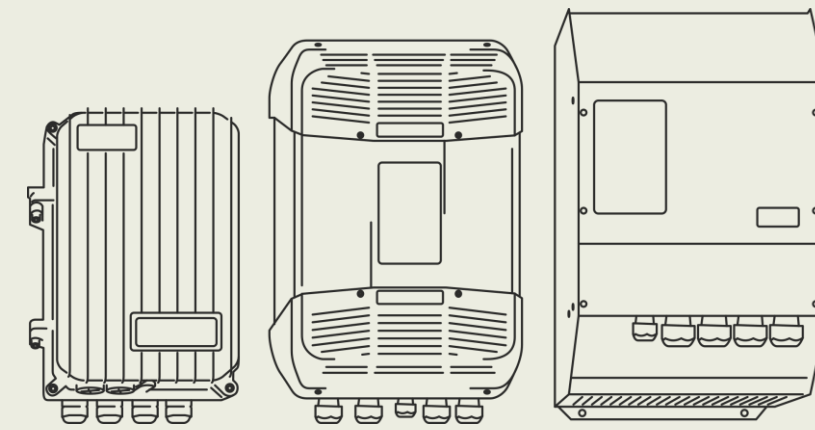
Worldwide network

150+ countries

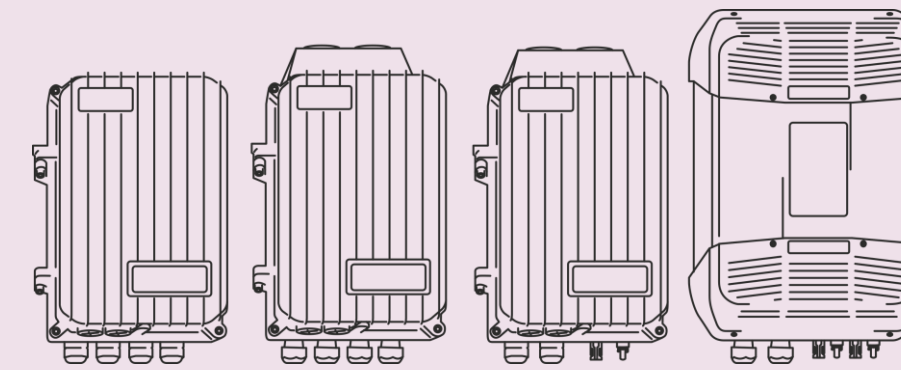
120+ Studer partners



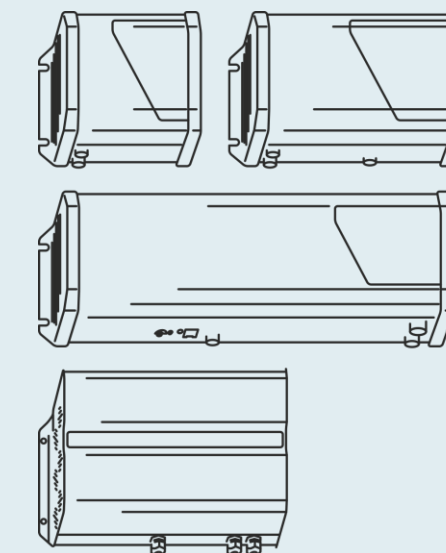
Our products



**Xtender
series**
**Hybrid
inverters**



Vario series
**Solar charge
controllers**



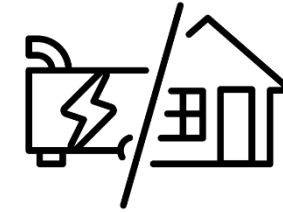
AJ series
**Battery
inverters**

The new generation of
smart inverter-chargers

next

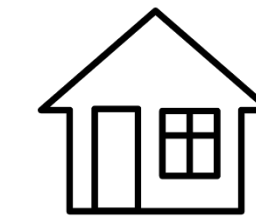
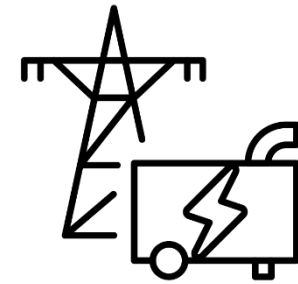
AC flex

2nd AC source or AC loads



AC source

3 x 80A AC input, grid ready EU LV



AC loads

3-Phase 16kVA (up to 30kVA, 5sec)



nx interface

nextOS platform

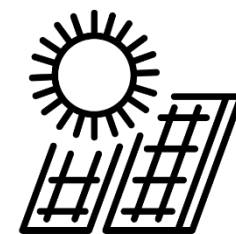


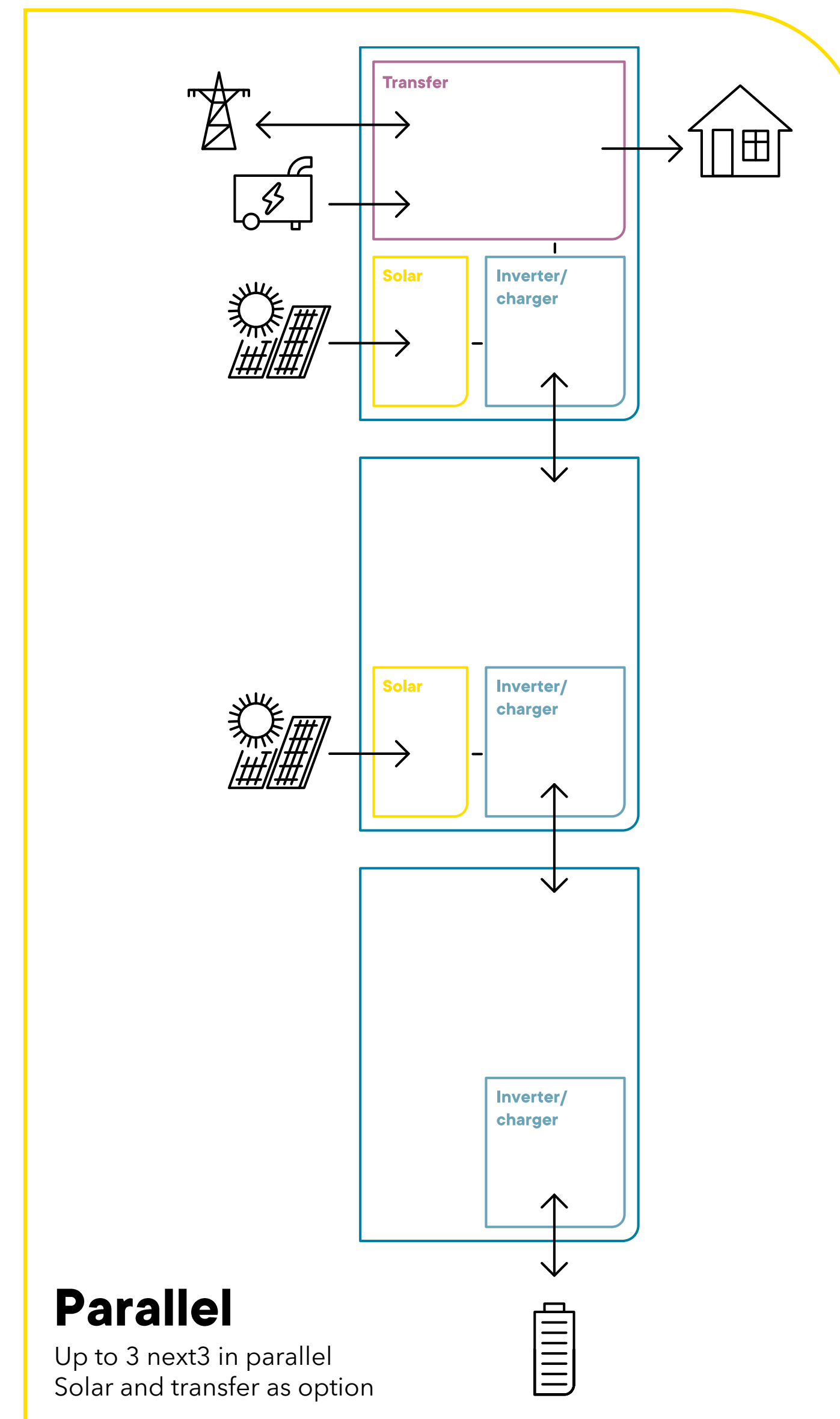
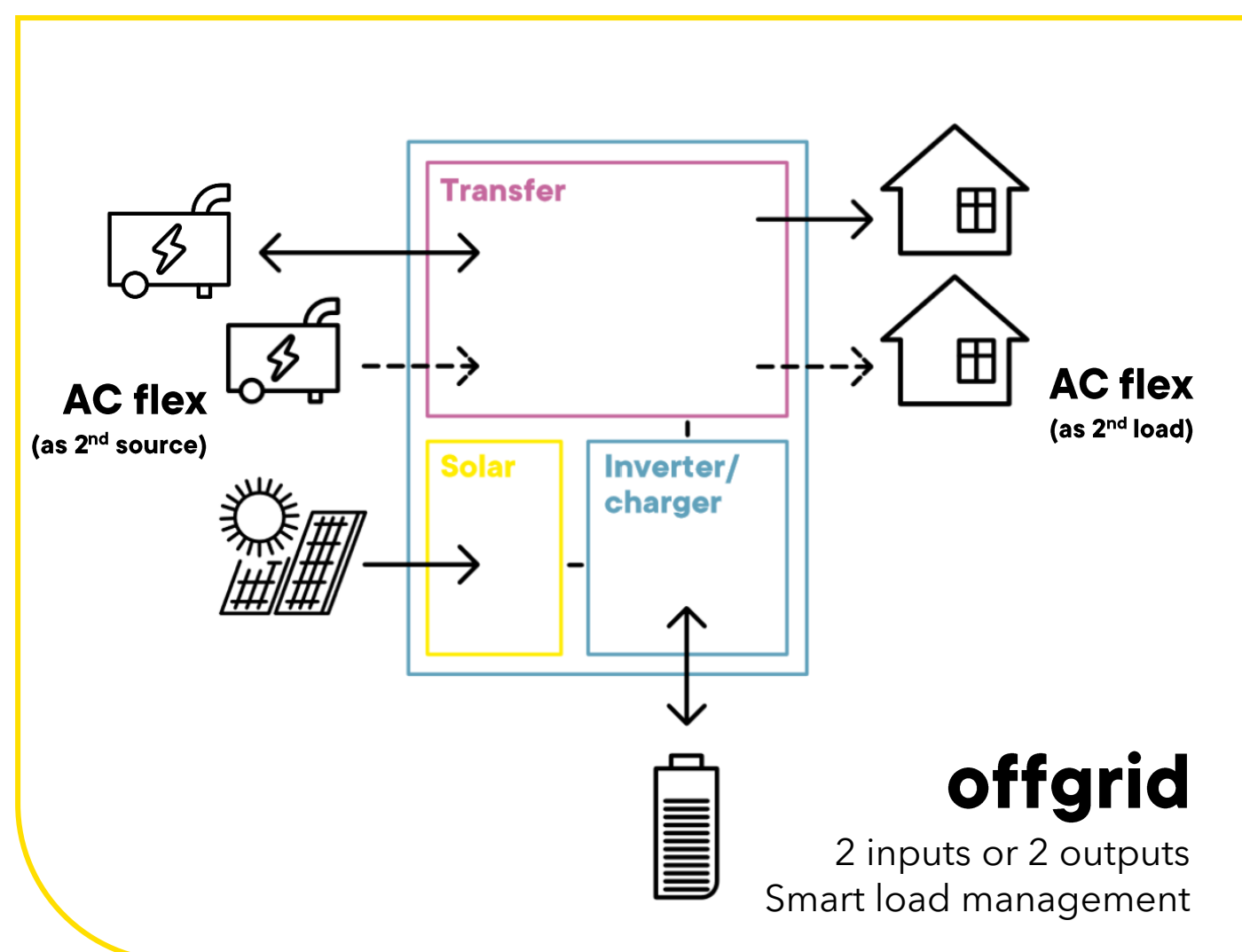
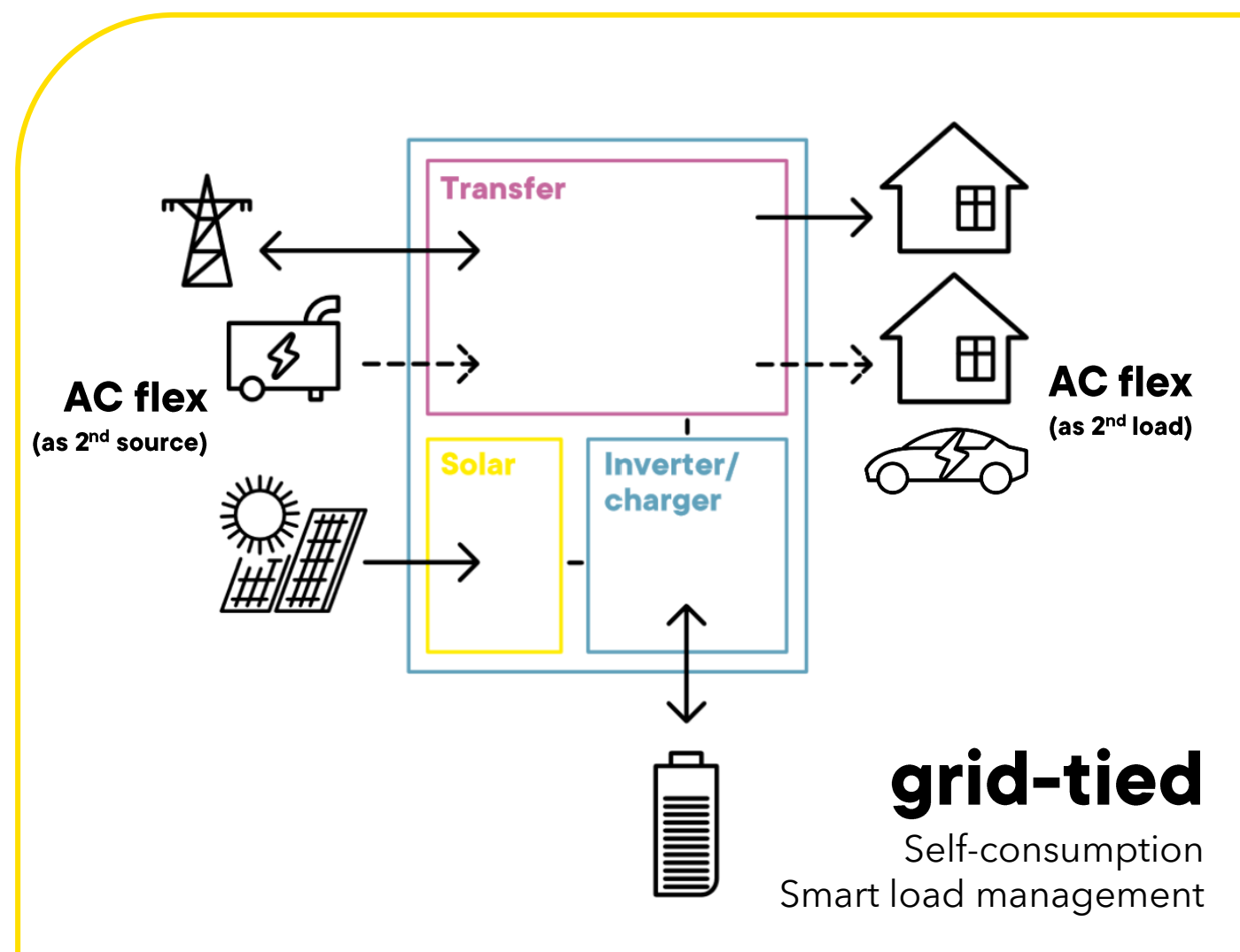
Battery

48V Lead-acid or lithium battery

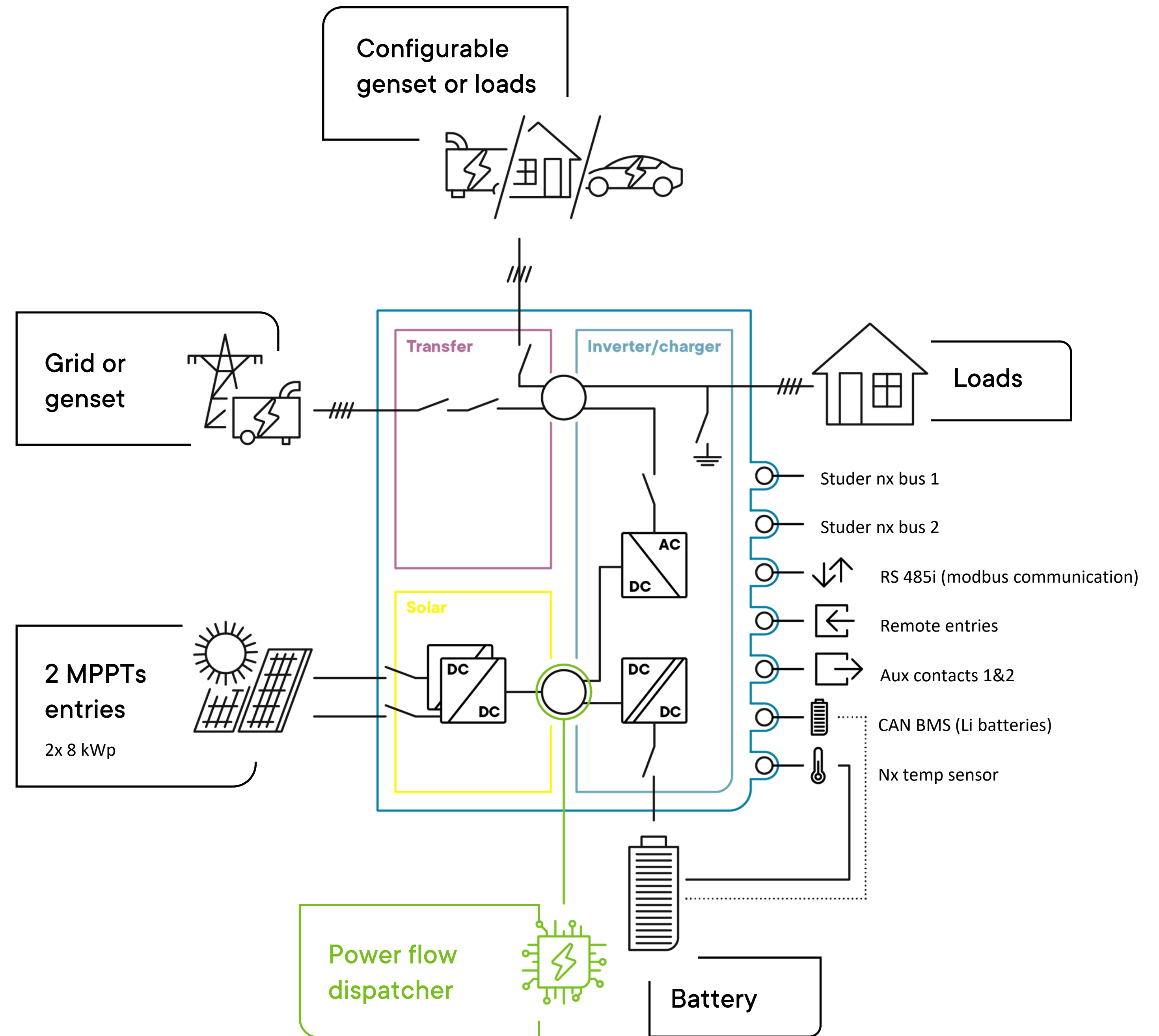
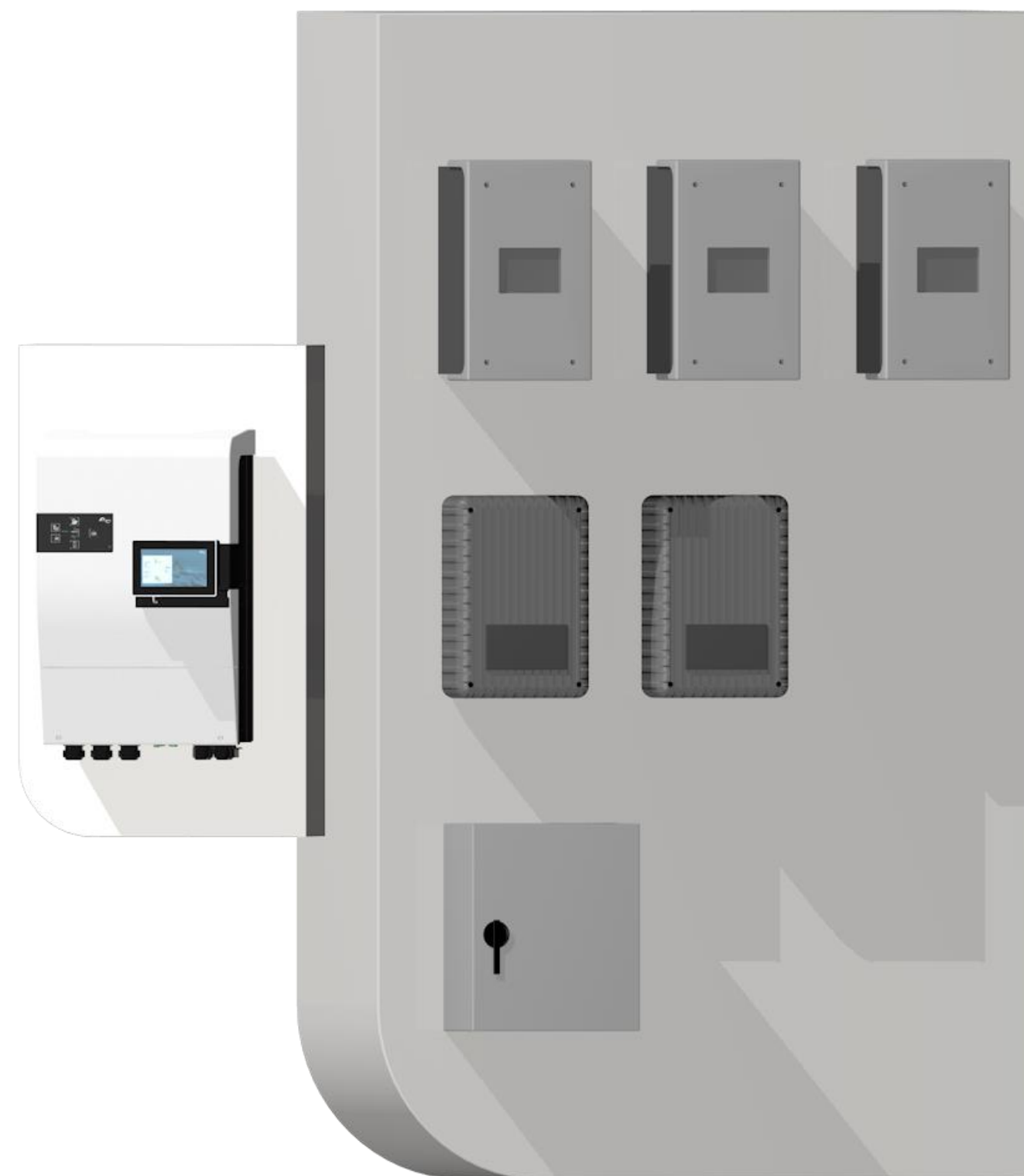
Solar PV

2 MPPT inputs 2 x 8 kW



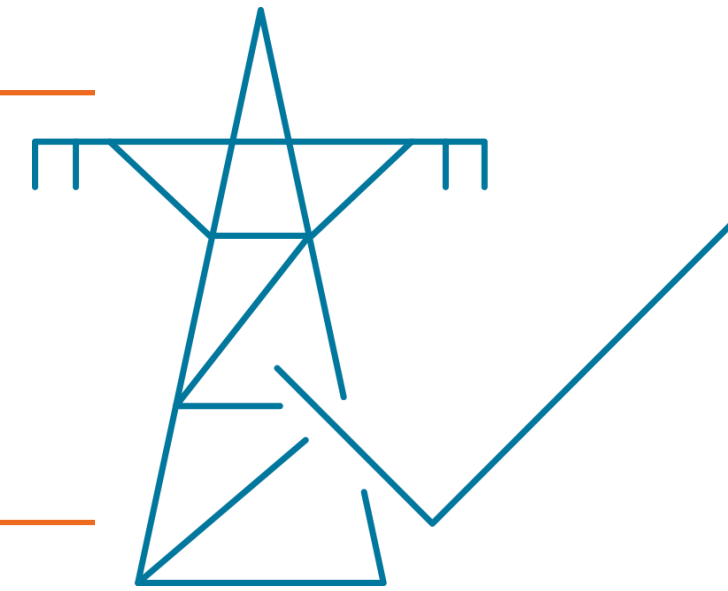


Internal architecture

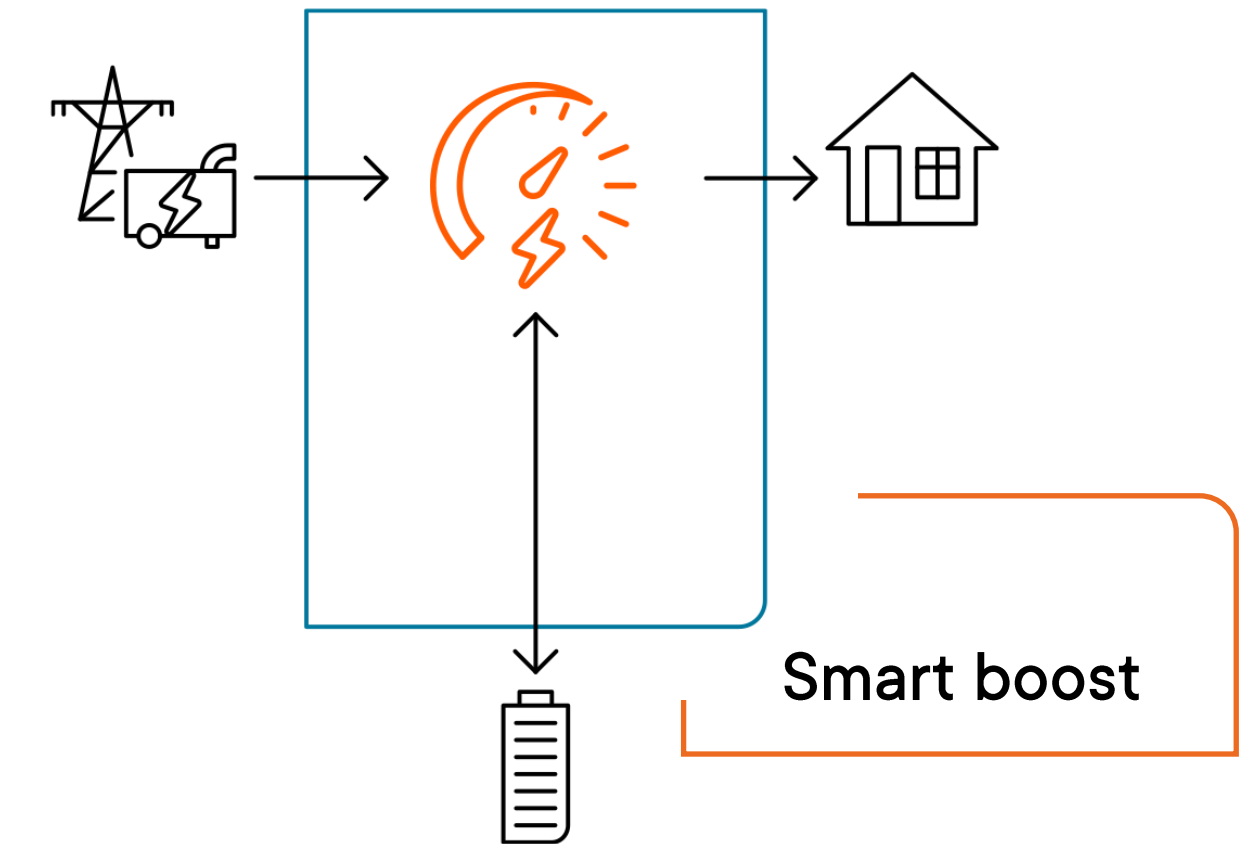


Special features

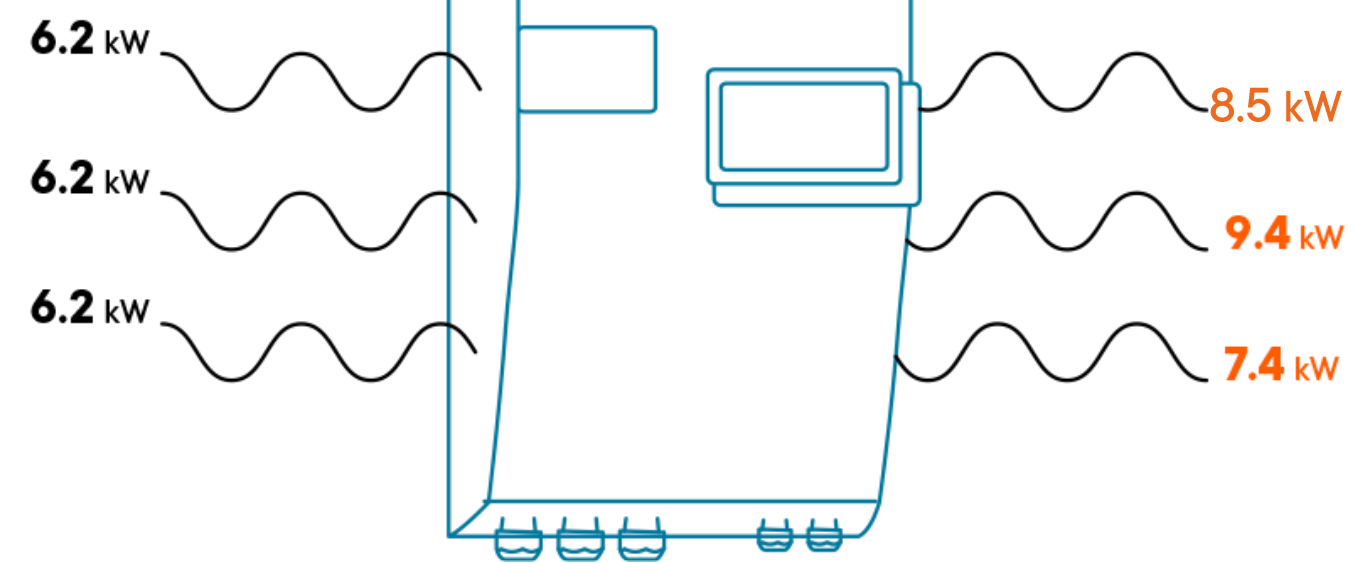
Full grid interactive



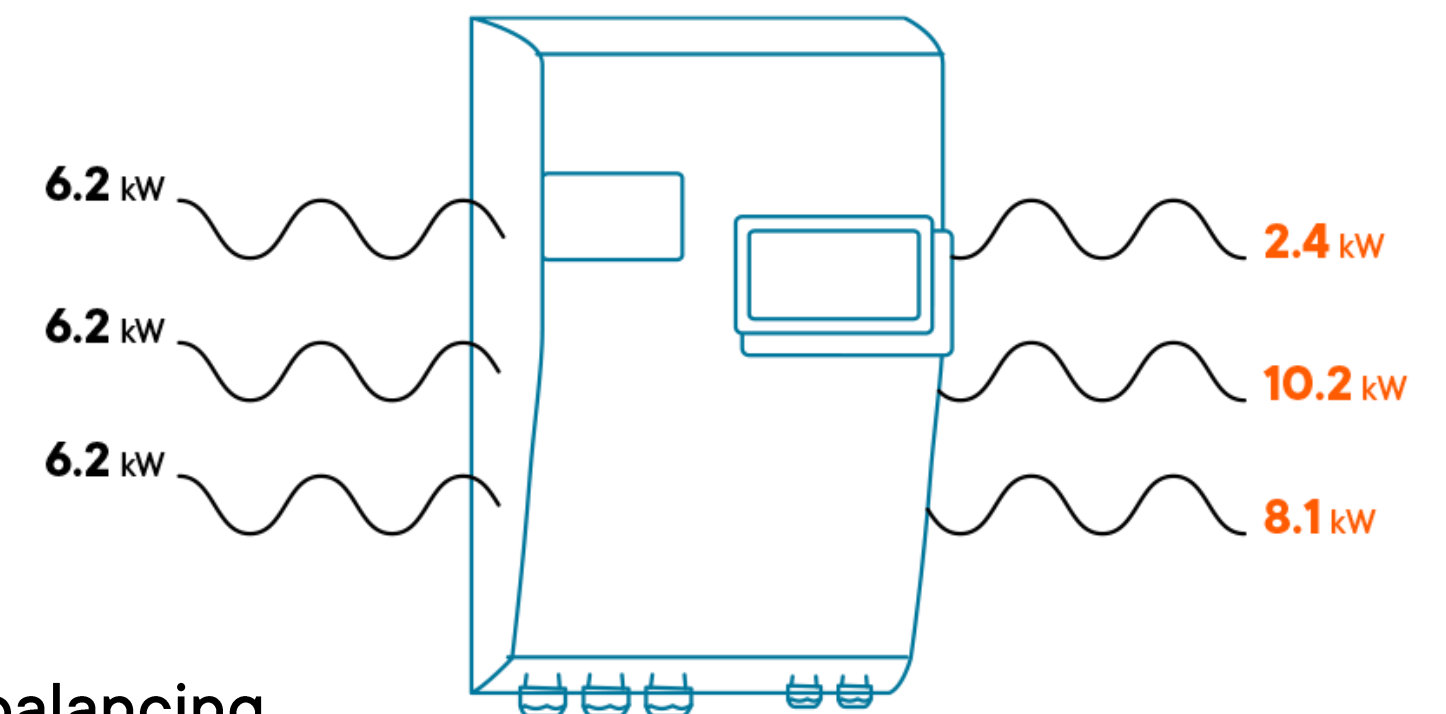
Peak power:
30kVA with solar
25kVA on batt
10kVA on 1phase

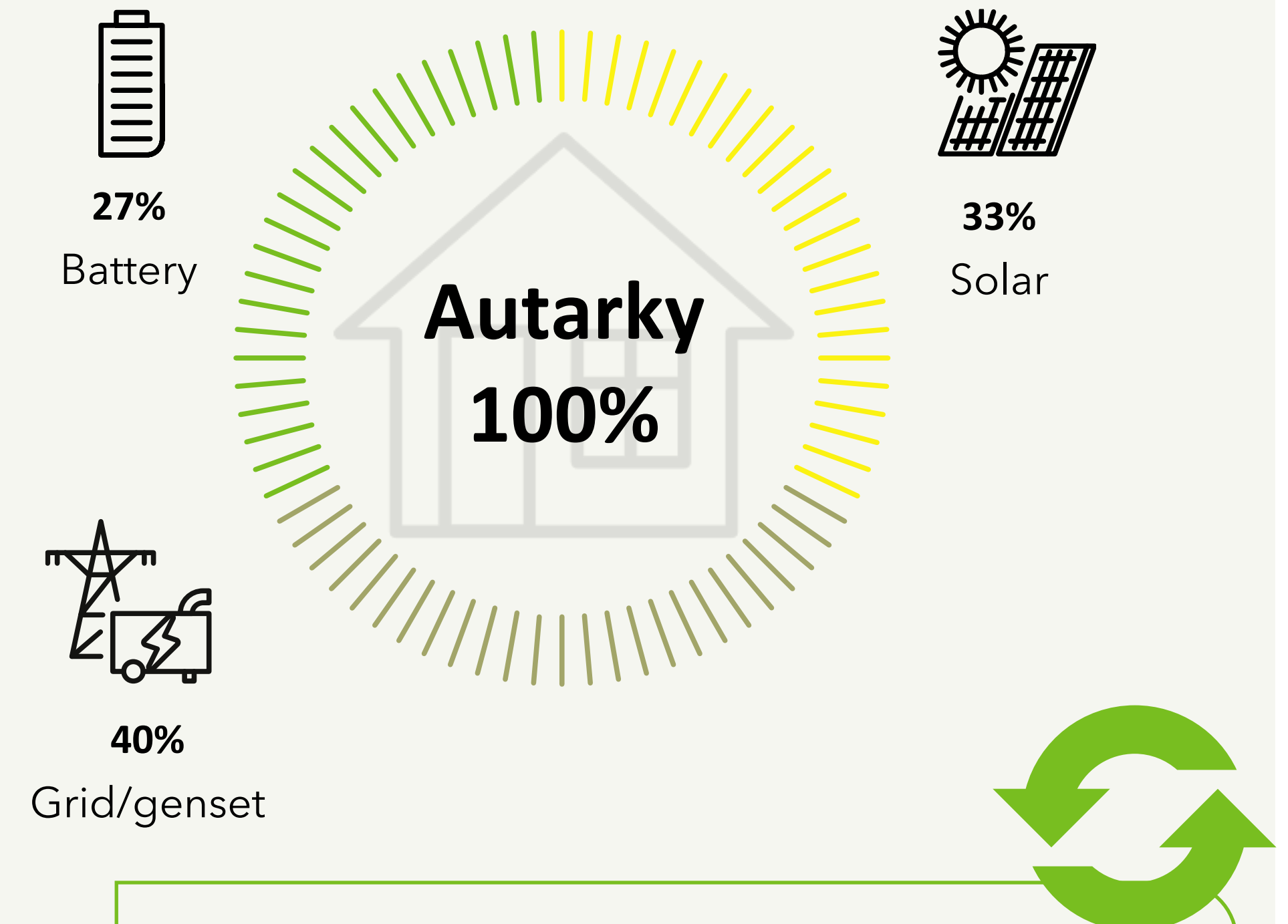
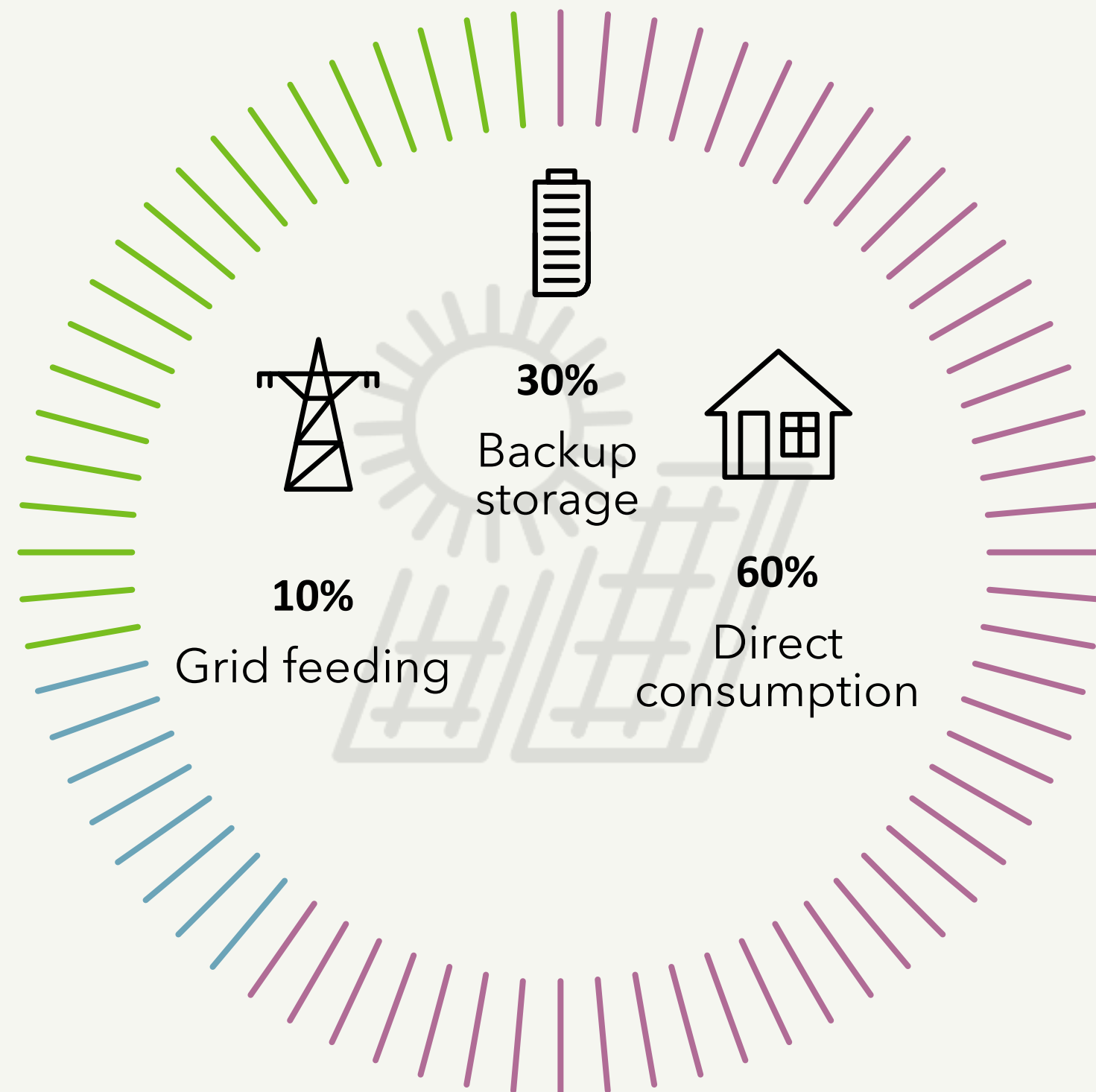


Peak shaving



Phase balancing



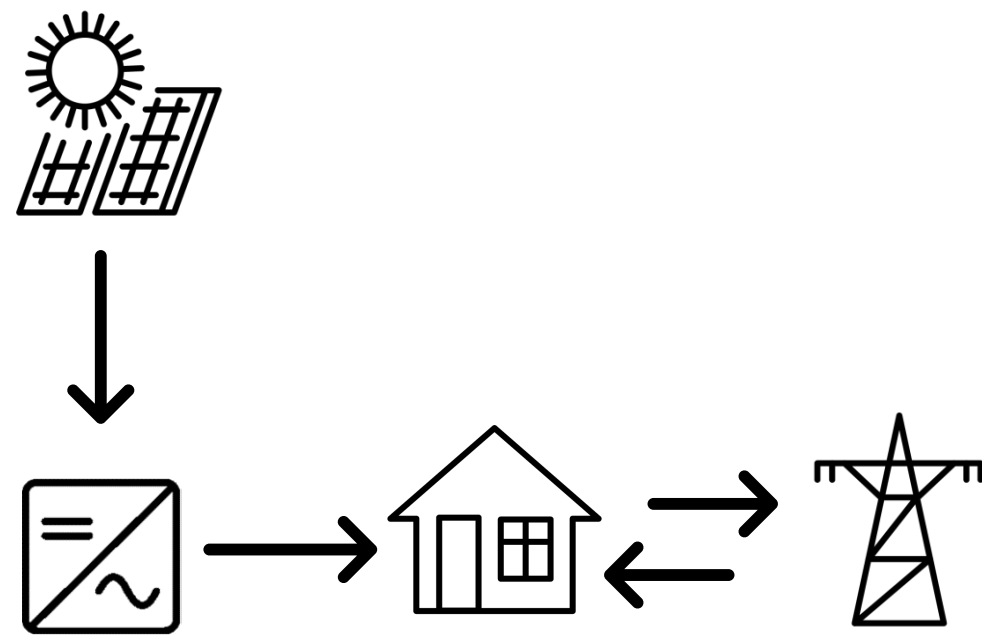


From self consumption to autarky

Where your solar energy goes to?
Where your energy comes from?

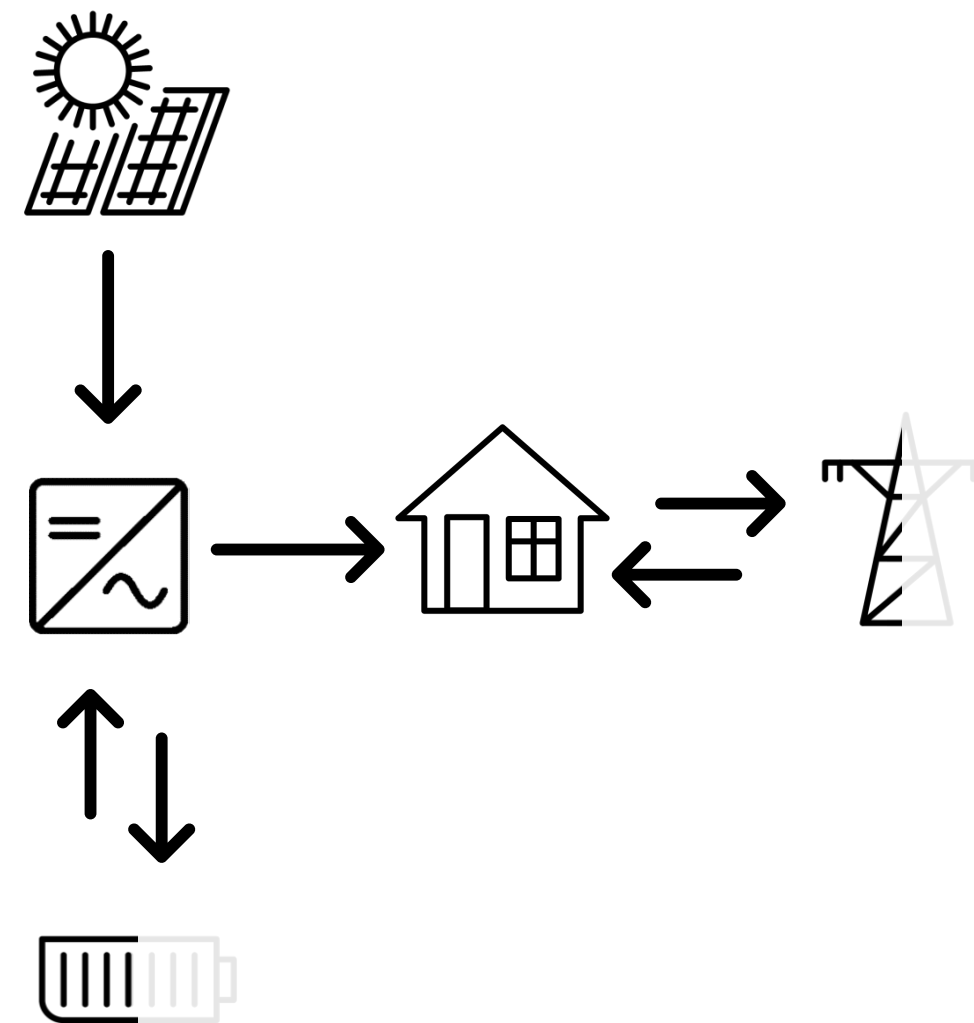
Switch the point of view
from the production to the consumption
for the energy transition

Grid-tie inverter



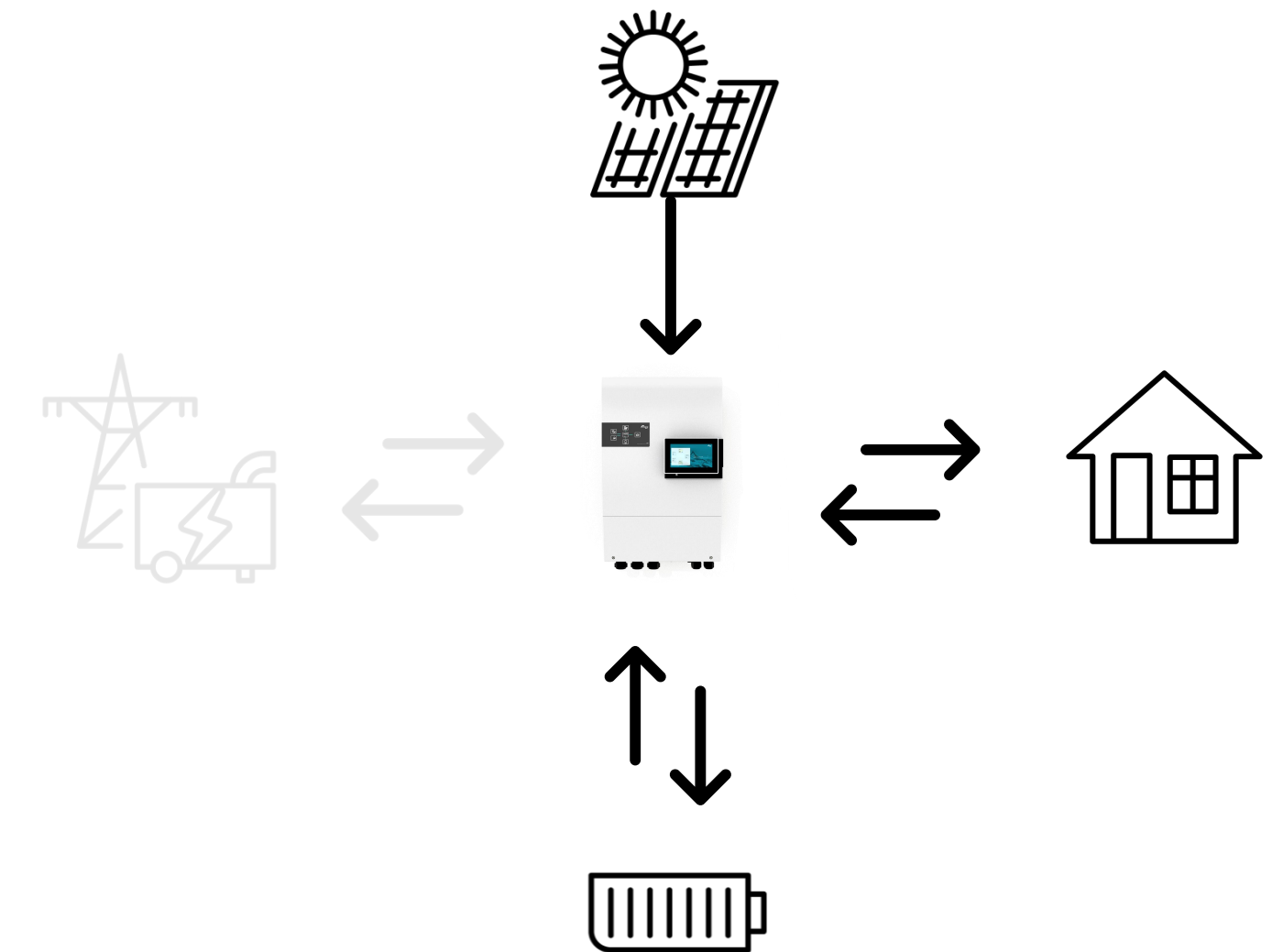
- ✗ Grid-powered
- ✗ Not Autarky
- ✗ Cannot work off-grid
- ✗ 5 years warranty

Grid-tie hybrid inverter



- ✗ Grid-powered
- ✗ AC-Out only
- ✗ 50% autarky
- ✗ Cannot work totally off-grid
- ✗ Partially backup
- ✗ <2000m altitude
- ✗ Harmonic distortion <3%
- ✗ No PV Oversizing
- ✗ High-voltage battery
- ✗ 5 years warranty

Off-grid hybrid inverter next3

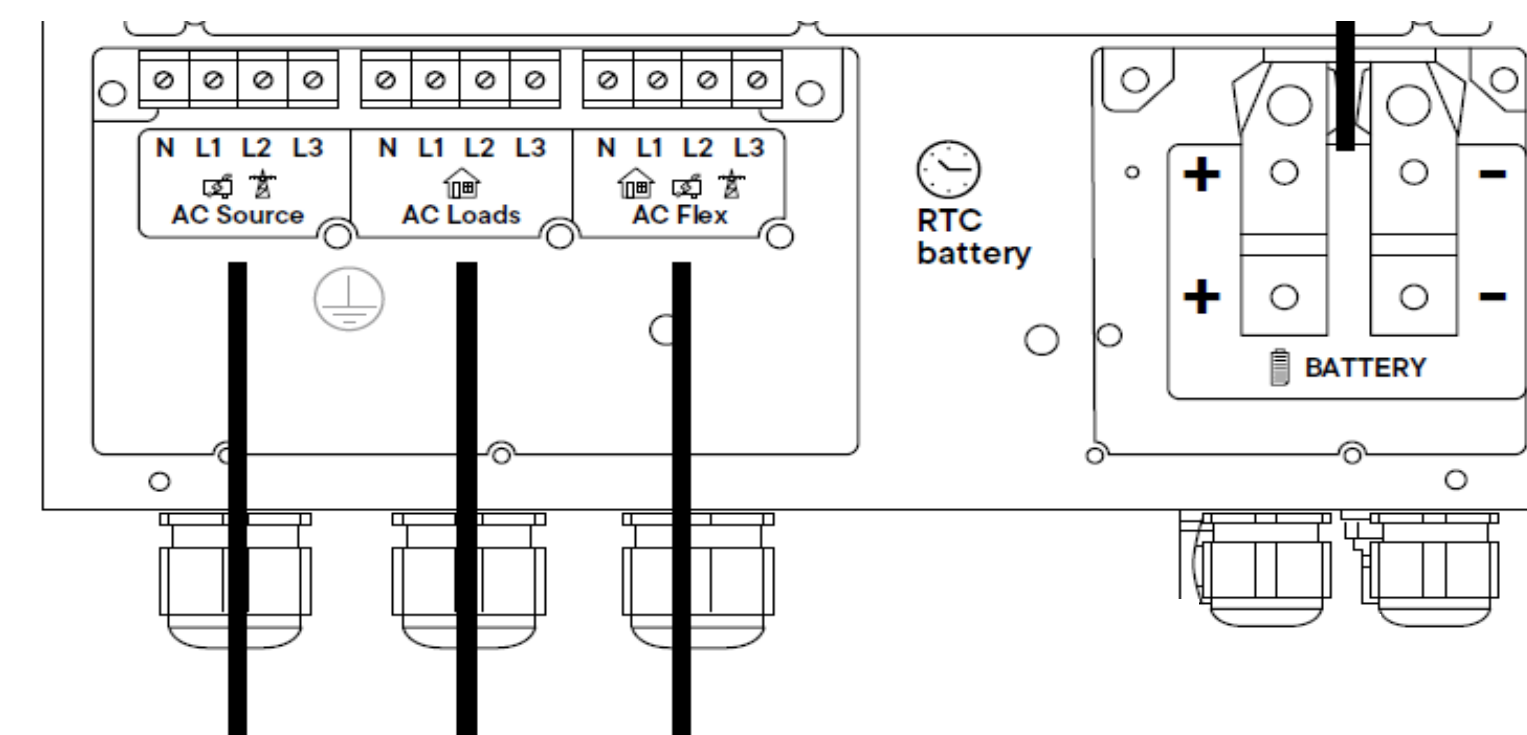
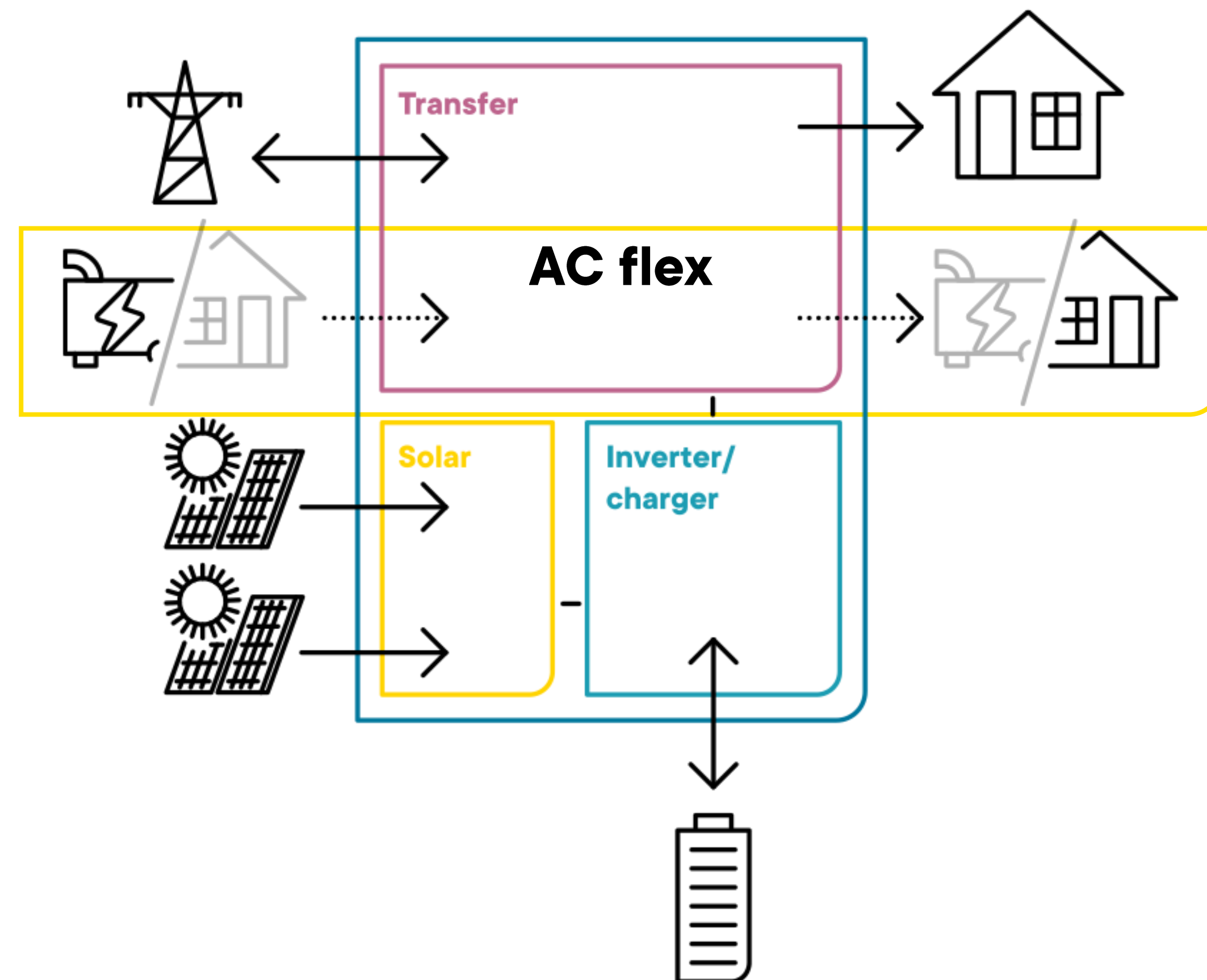


- ✓ Battery-powered
- ✓ AC-In, AC-Out, AC-Flex
- ✓ 100% Autarky
- ✓ On-grid & Off-grid
- ✓ Complete Backup
- ✓ >3000m altitude
- ✓ Harmonic distortion <1%
- ✓ PV Oversizing (24kWp)
- ✓ Low-Voltage battery 48V
- ✓ 6+6 years warranty

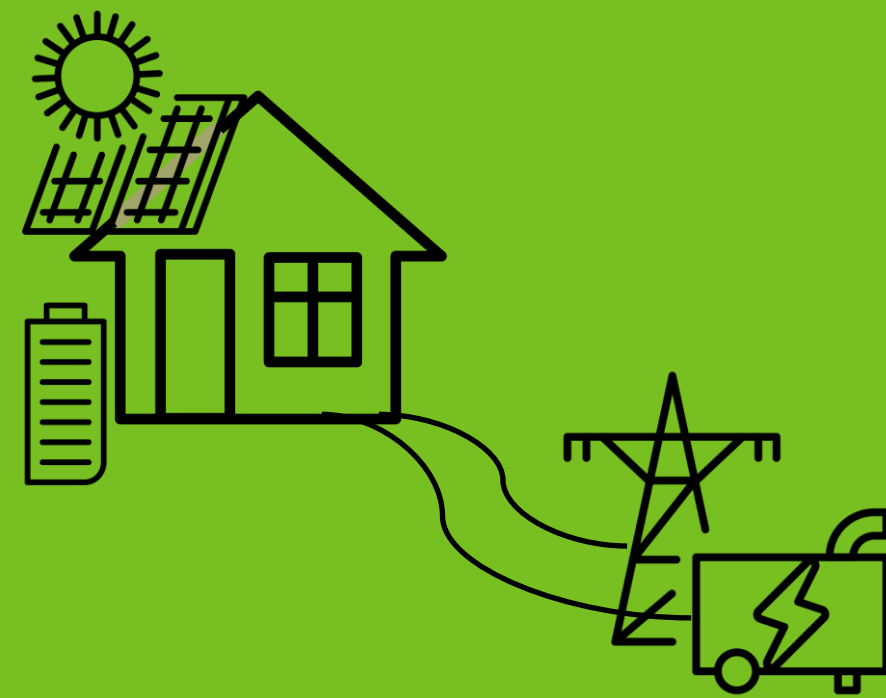
AC flex: hybrid I/O



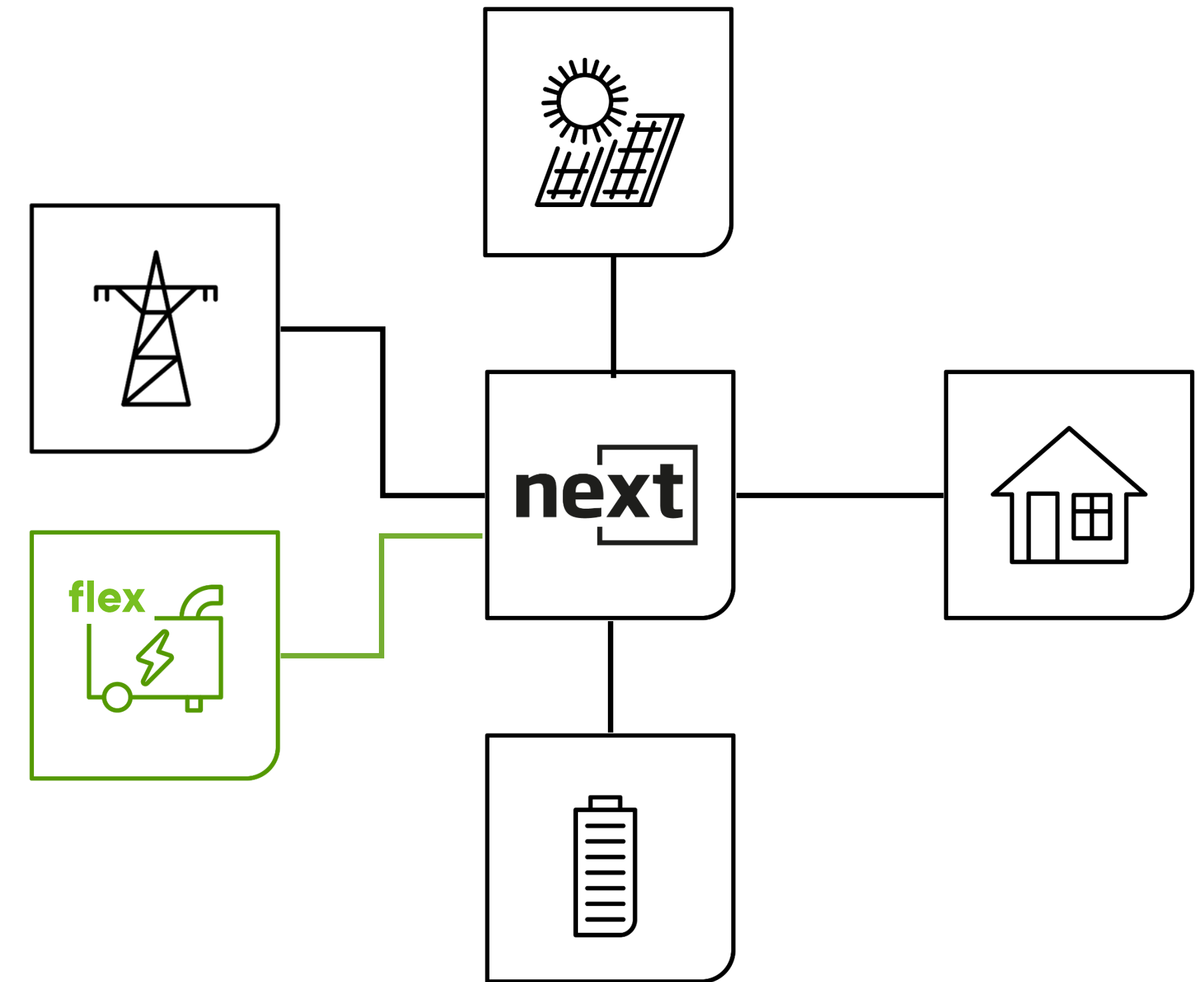
Advanced AC **sources**
and **loads** management



AC flex: my genset



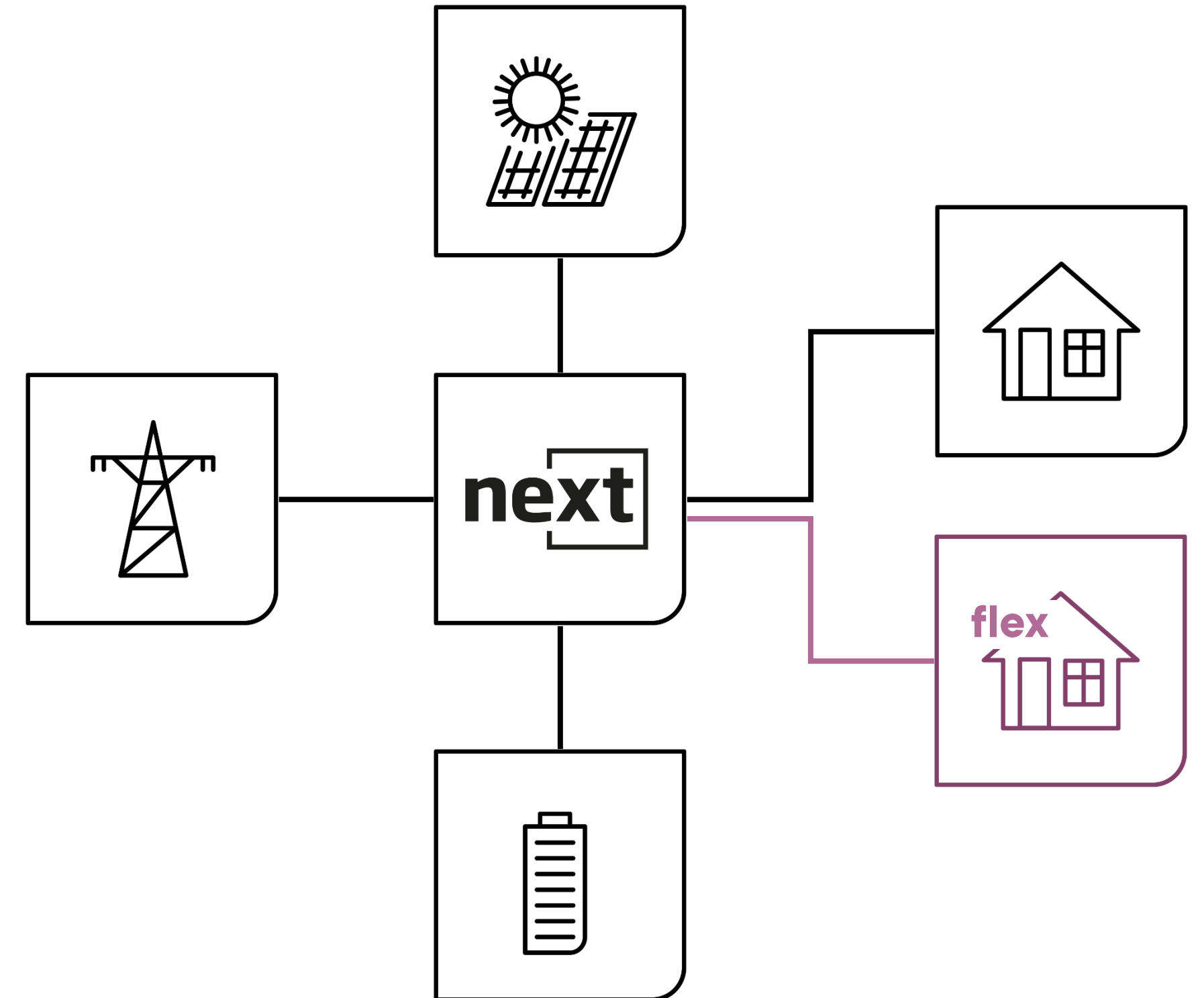
Connect **grid** and
generator for 24/7
reliability



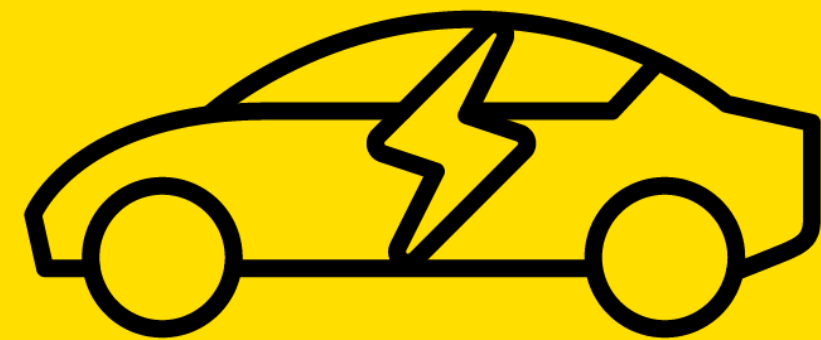
AC flex: critical loads



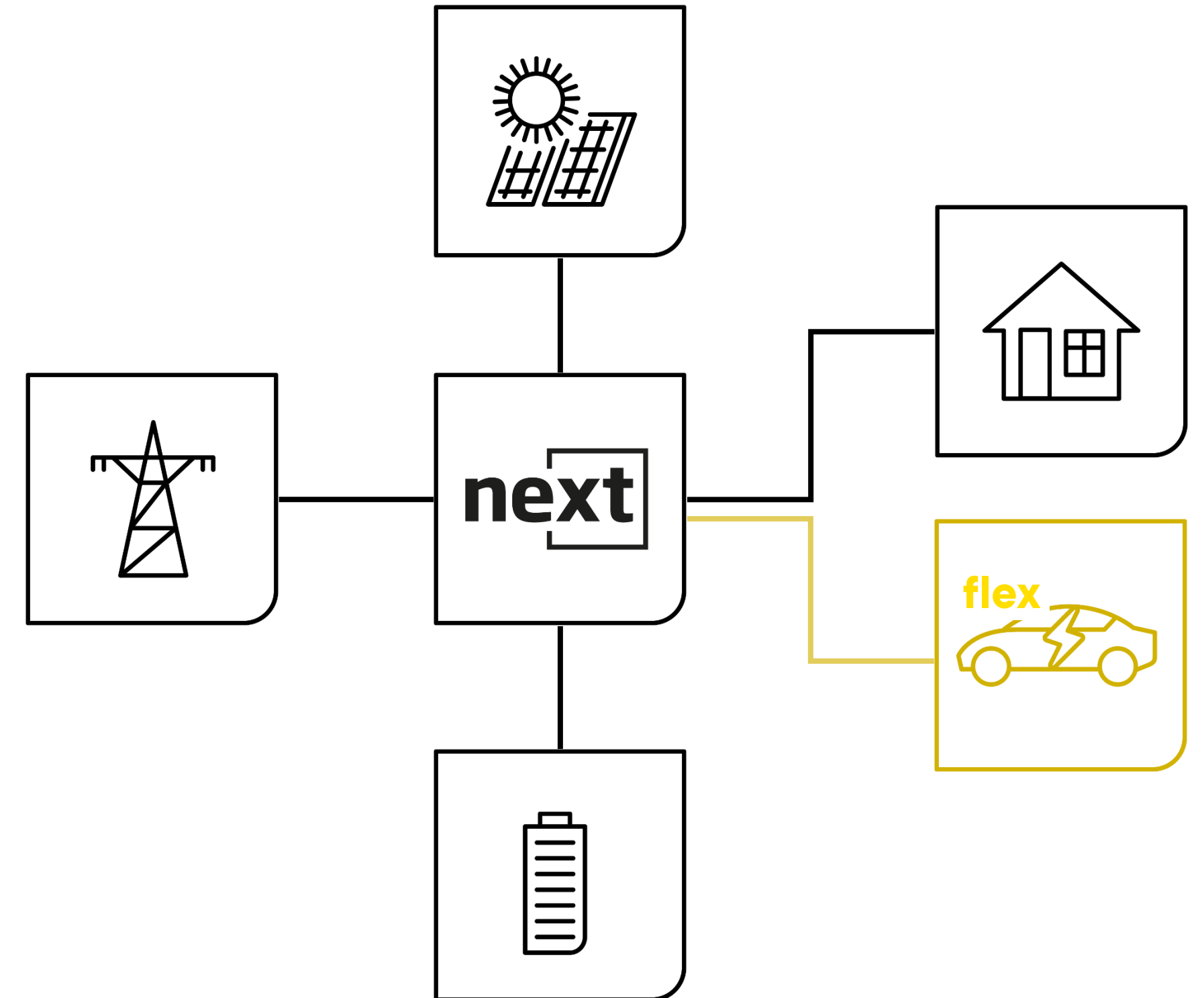
Connect AC **sensible loads** for smart management



AC flex: solar mobility



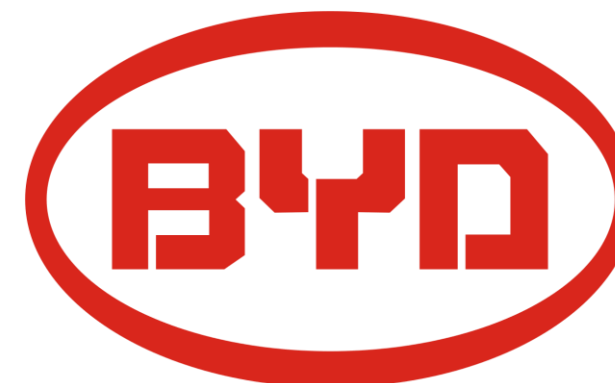
Connect **EV Charger**
for smart management





Battery

- 48V
- CAN port integrated
- RJ45 standard Ethernet cable



CAN H(4)
CAN L(5)
GND(2)

...

BATTERY-BOX PREMIUM LVS



BATTERY-BOX LV FLEX



BATTERY-BOX PREMIUM LVL





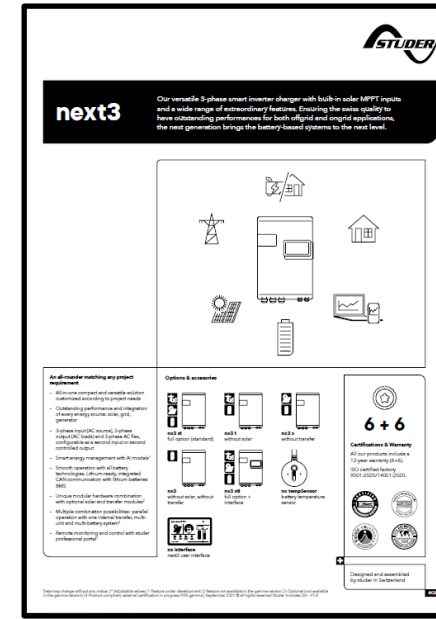
nx interface and AC flex configuration

Live demo

studer-innotec.com/next3

More information?

next3 datasheet
with the tech specs



Join the solar autarky
commercial brochure next3



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