

The letters 'S', 'A', and 'J' are displayed in a large, black, sans-serif font, centered horizontally and vertically on the page. The background features a perspective view of a series of white, three-dimensional rectangular frames receding into the distance, creating a strong sense of depth and architectural structure.

Provider of Digital Energy Management Services for Green Buildings

Product families



3 application scenarios, multiple products and solutions enhance customers to use clean energy

Residential
Digital Energy



Commercial
Digital Energy



Portable
Power

(Coming soon)




AFCI
(optional)

150%
150% DC oversizing

16A
String current up to 16A

100%
100% three-phase
unbalanced output

UPS
switch time < 10 ms


fast charge and
discharge

H2 Single phase 3-6kW Three phase 5-10kW & B2

The naming rule of H2



H2-6K-S2/T2

① ② ③ ④ ⑤ ⑥

H2-3K/3.6K/4K/5K/6K-S2

H2-5K/6K/8K/10K-T2



- ① Hybrid.
- ② Second generation technology.
- ③ Rated output power.
- ④ Single phase.
- ⑤ Three phase
- ⑥ 2 MPPT






H2 LED indication



LED indicator	LED indicator	Description
	LED off	Inverter power off
	Breathing	Inverter is at initial state or standby state
	Solid	Inverter running properly
	Breathing	Inverter is upgrading
	Solid	Inverter is faulty
	Solid	Importing electricity from grid
	On 1s, off 1s	Exporting electricity to grid
	On 1s, off 3s	Not importing and exporting at all
	Off	Off-grid
	Solid	Battery is discharging
	On 1s, off 1s	Battery is charging
	On 1s, off 3s	SOC low
	Off	Battery is disconnected or inactive

Introduction of H2 LED indicate



LED indicator	LED indicator	Description
 Grid	Solid	Connected to grid
	On 1s, off 1s	Counting down to grid connection
	On 1s, off 3s	Grid is faulty
	Off	No grid
 PV	Solid	PV array is running properly
	On 1s, off 1s	PV array is faulty
	Off	PV array is not operating
 Backup	Solid	AC side load is running properly
	On 1s, off 1s	AC side load overload
	Off	AC side is turned off
 Communication	Solid	Both BMS and meter communication are good
	On 1s, off 1s	Meter communication is good, BMS communication is lost
	On 1s, off 3s	Meter communication is lost, BMS communication is good
	Off	Both meter and BMS communication are lost
 Cloud	Solid	Connected
	On 1s, off 1s	Connecting
	Off	Disconnected

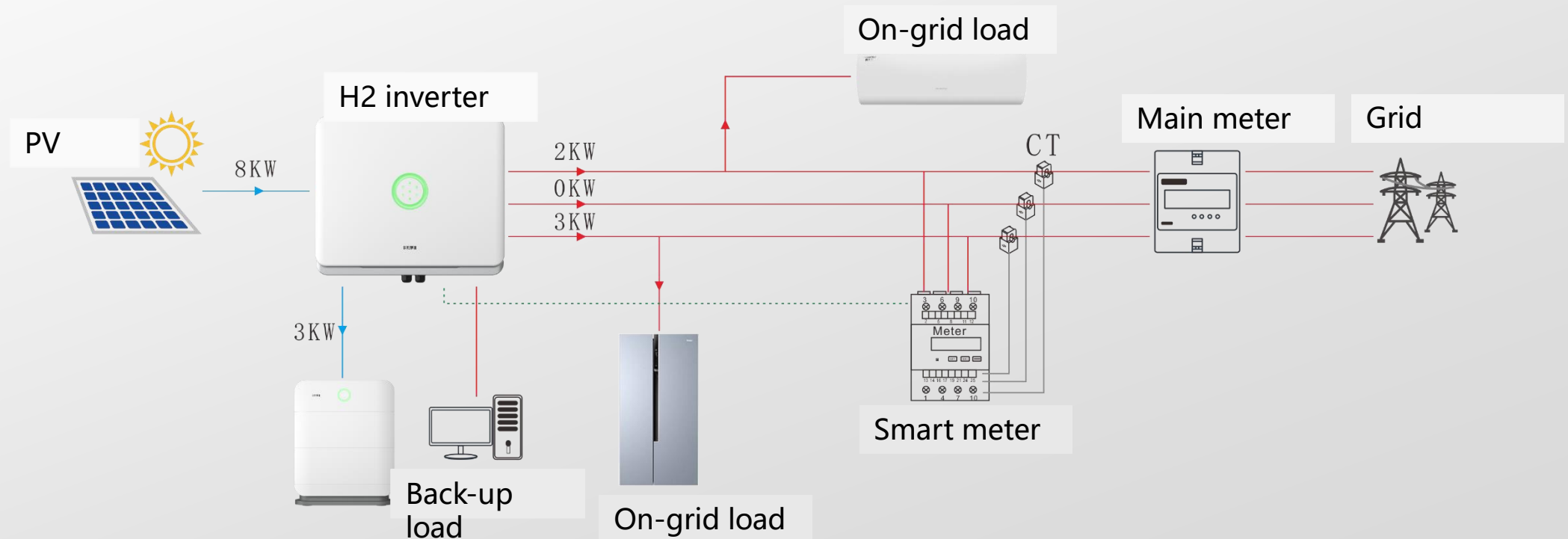
Unbalanced output function

Unbalanced output function:

For residential three-phase energy storage systems, the inverter is required to have the ability to transport different power on each phase.

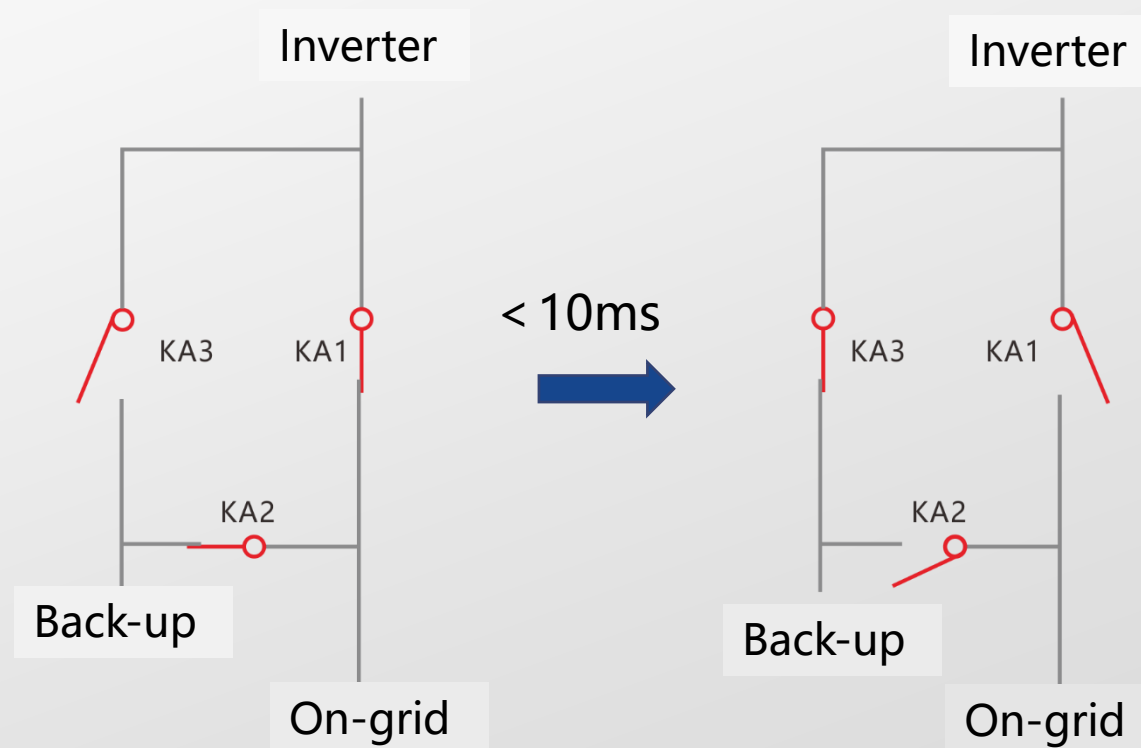
100% Unbalanced output

The output power of each phase ranges from 0W to 1/3 of the nominal power of the inverter, and the maximum difference between the output power of each two phases can also reach 1/3 of the nominal power of the inverter.

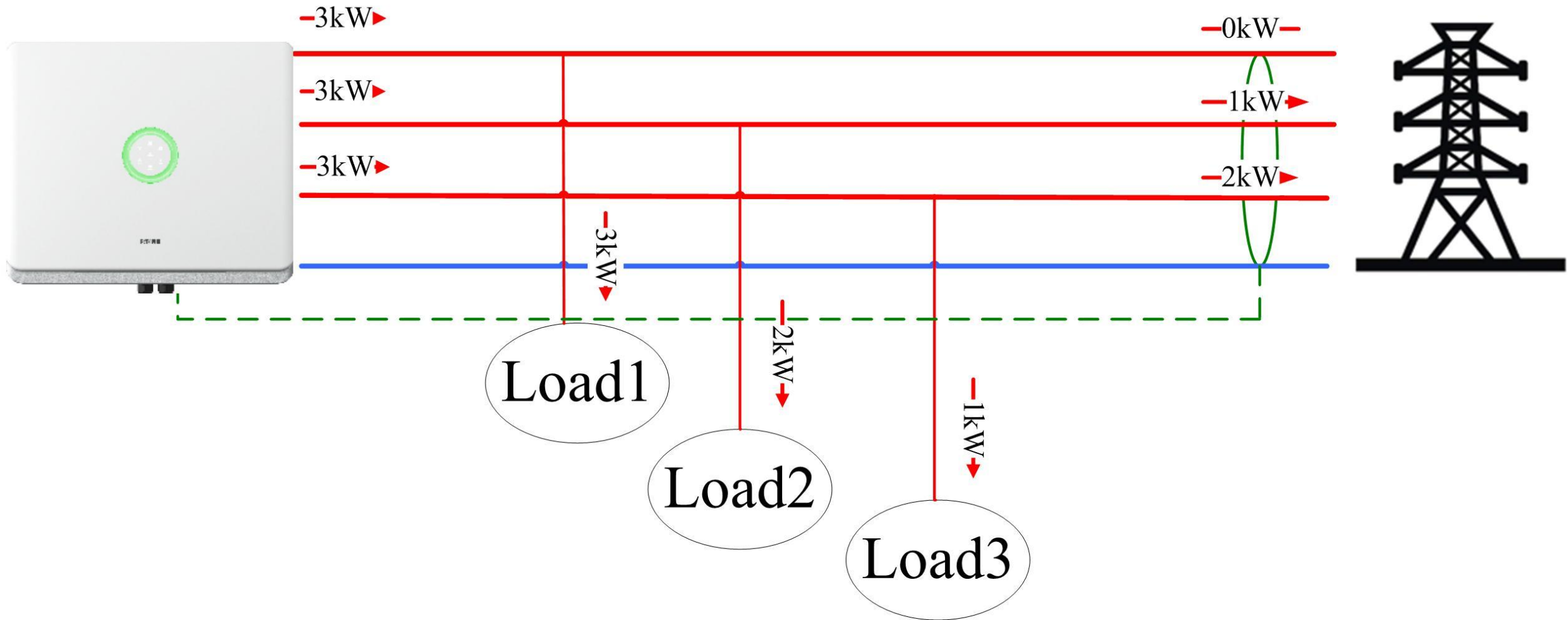


UPS function

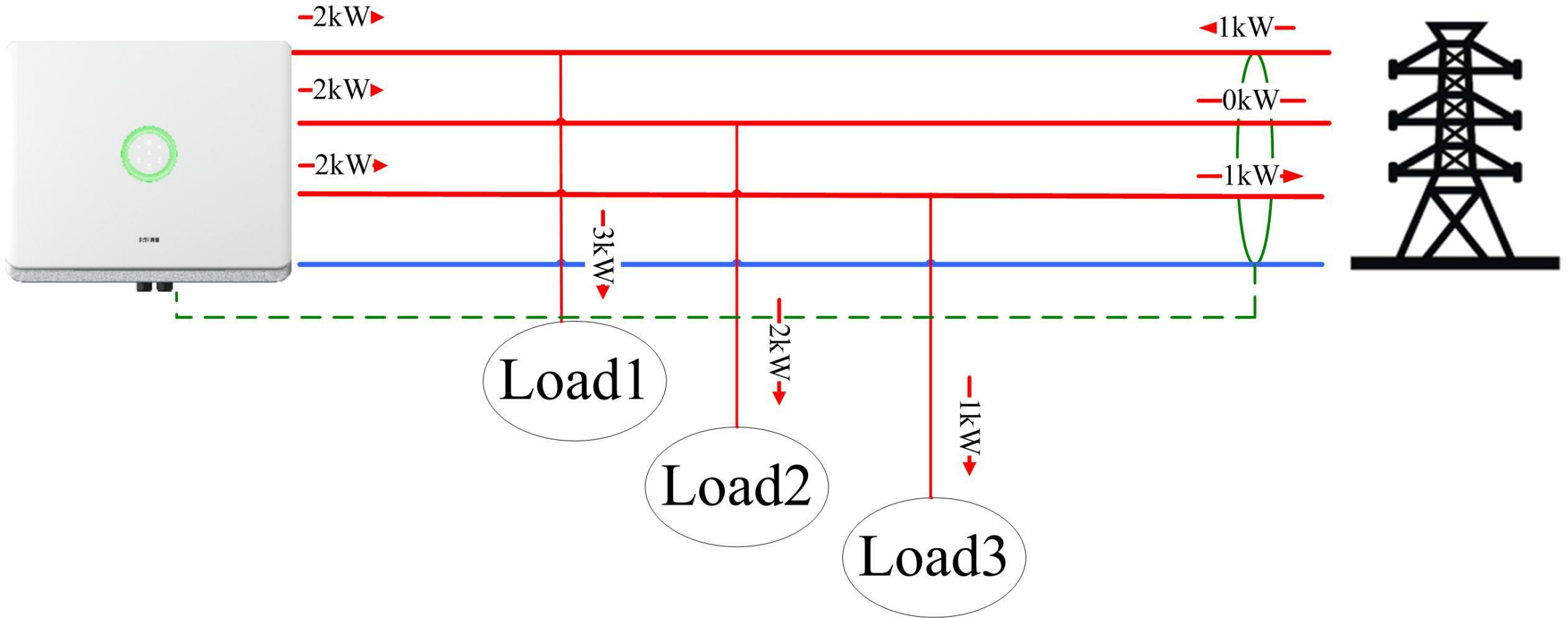
The switching time of Uninterruptible Power Supply generally requires less than 10ms, which is the time that most residential loads can travel through without cutting off the power supply.



Export limitation solution



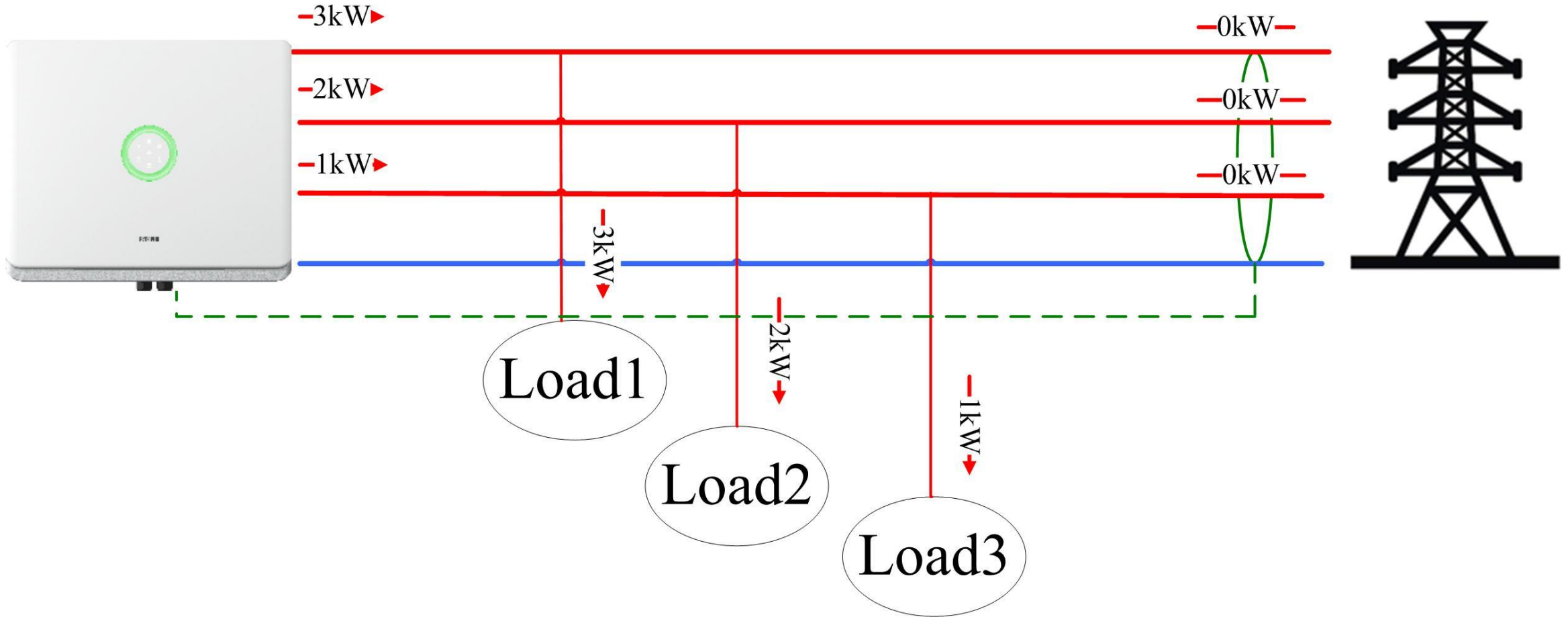
Total power mode



H2 detects that the system has 3kW export power, it will reduce the PV generation until total power turns to 0 w.

Total power = L1 import power 1kW + L2 0kW + L3 export power 1kW.

Grid side 100% unbalance solution



The maximum output power of each phase of three phase H2 is 1/3 of the maximum power of H2. The back-up side has 100% imbalance function as well.



Brand	Model
SAJ	B2-5.1-HV1/5
Pylon	SC0500/ H48050
Dyness	HV9637

Note: Single phase H2 can scale up to 4*battery modules in series.
Three phase H2 can scale up to 5*battery modules in series.

The naming rule of B2



B2-5.1-HV1/5

① ② ③ ④



Wall-mounted or
ground-mounted

IP65

IP65 outdoor design



Remote firmware
upgrade

LFP

LiFePO4 batteries,
safe and reliable



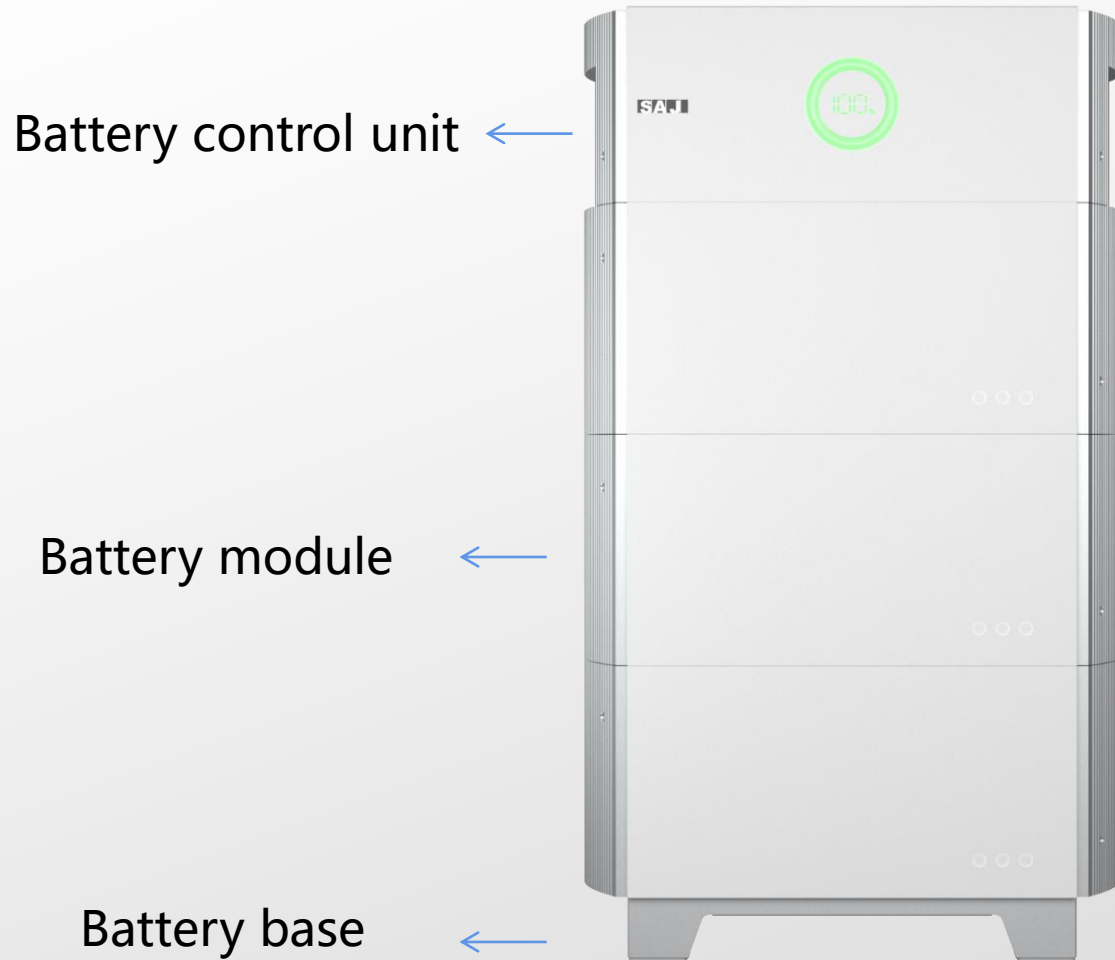
Modular design
scalable up to 25.0kWh






90%

90% Depth of discharge

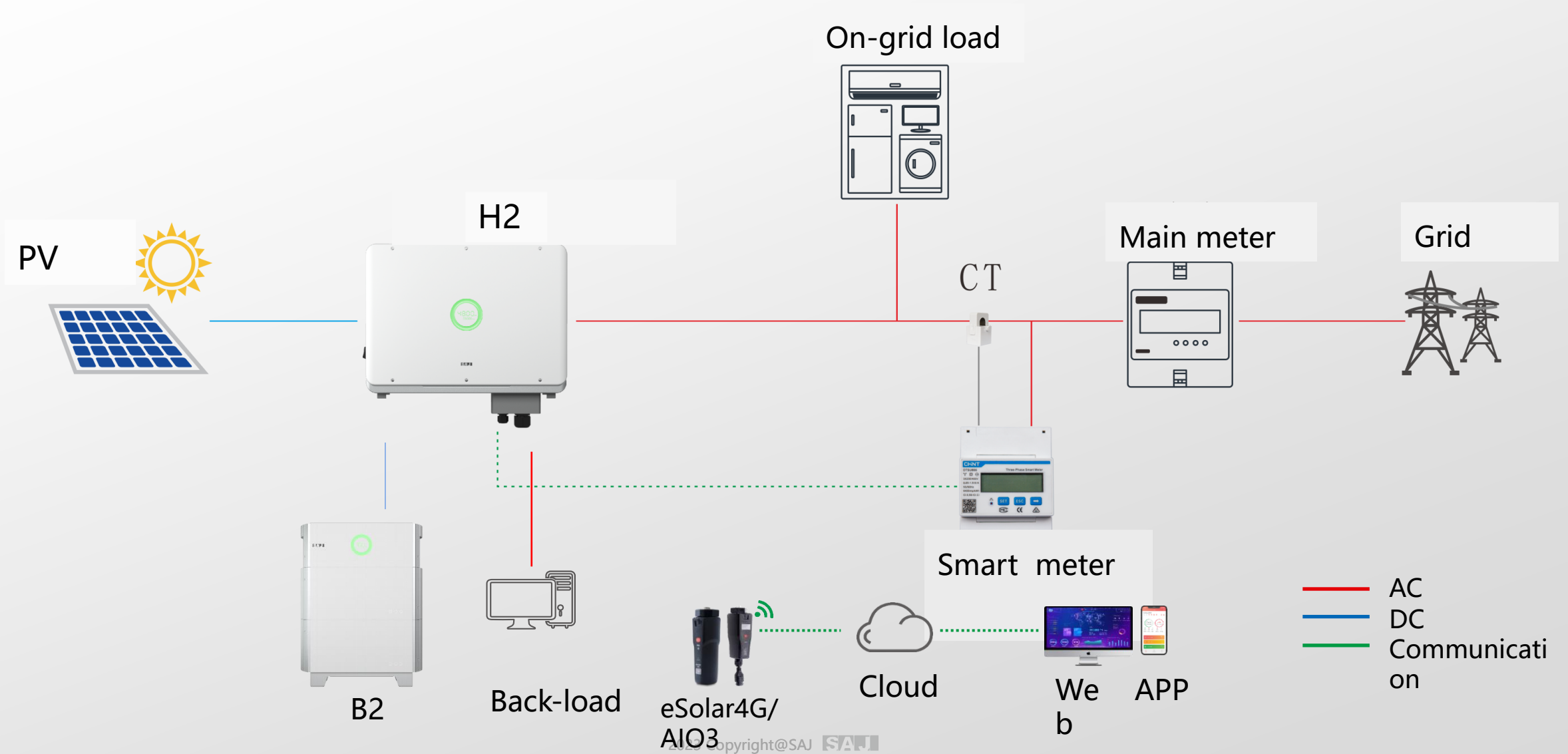
- ① Battery. It has a Lithium iron Battery.
- ② Second generation technology.
- ③ Battery capacity is 5.12kWh.
- ④ Battery voltage is high voltage

B2 LED indications



Display	Status	Description
Ring Light		Solid Green The battery is in normal state
		Breathing Mode The battery is in the initialization or waiting state
		Solid Red An error occurs
		Breathing Mode Software is upgrading in the battery
		Off Power off
LED Panel 1	100%	SOC of the battery

Energy storage solution



➤ Self-consumption mode

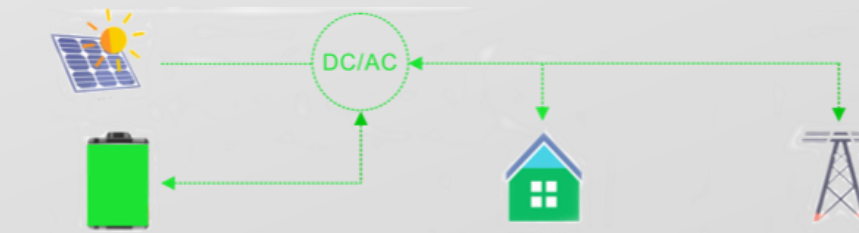
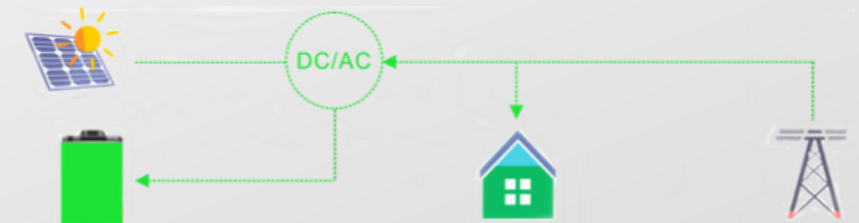
The power generated by PV system will supply household loads first, and then save surplus energy to battery that can be used at any time, the excess electricity could be exported to grid.

➤ Time-of-use mode

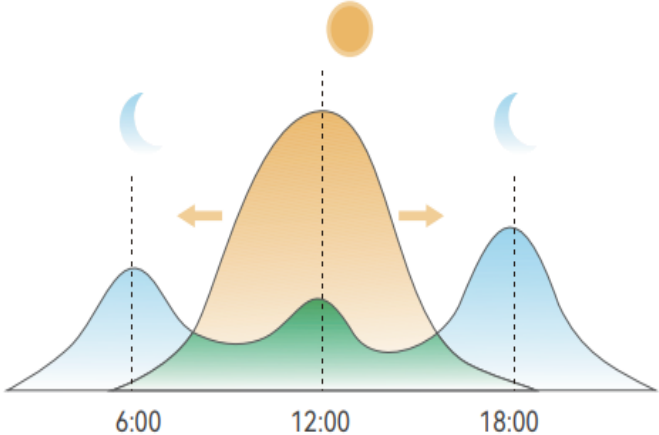
Battery charging and discharging time can be flexibly set based on your local peak and off-peak electricity period to minimum the utility fees.

➤ Back-up mode

Back-up mode is able to maintain the battery in a discharged state to power the back-up loads when power outage.



Time of use mode



- Consumption of stored energy
- Consumption of solar energy
- Solar energy production

Charge Settings +

Charge Time1 ⊖

00:00 — 23:59

Charge Power1

2000 W

Work Days1

Monday, Tuesday, Wednesday, Thursday...

Discharge Settings +

Discharge Time1 ⊖

00:00 — 23:59

Discharge Power1

10000 W

Work Days1

Monday, Tuesday, Wednesday, Thursday...

Non charging/discharging time period setting(When TOU) Save

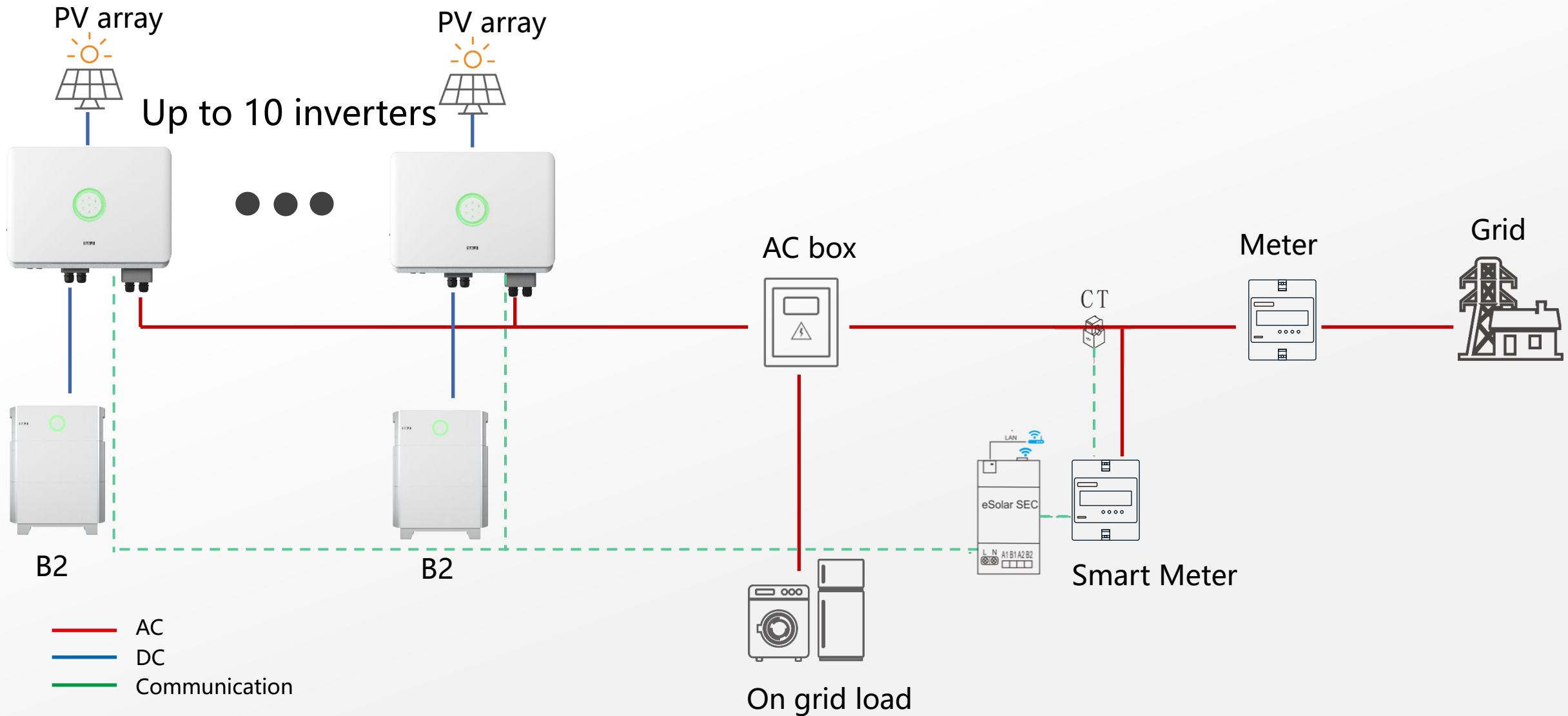
Self-Consumption Mode

➤ Time-of-use mode

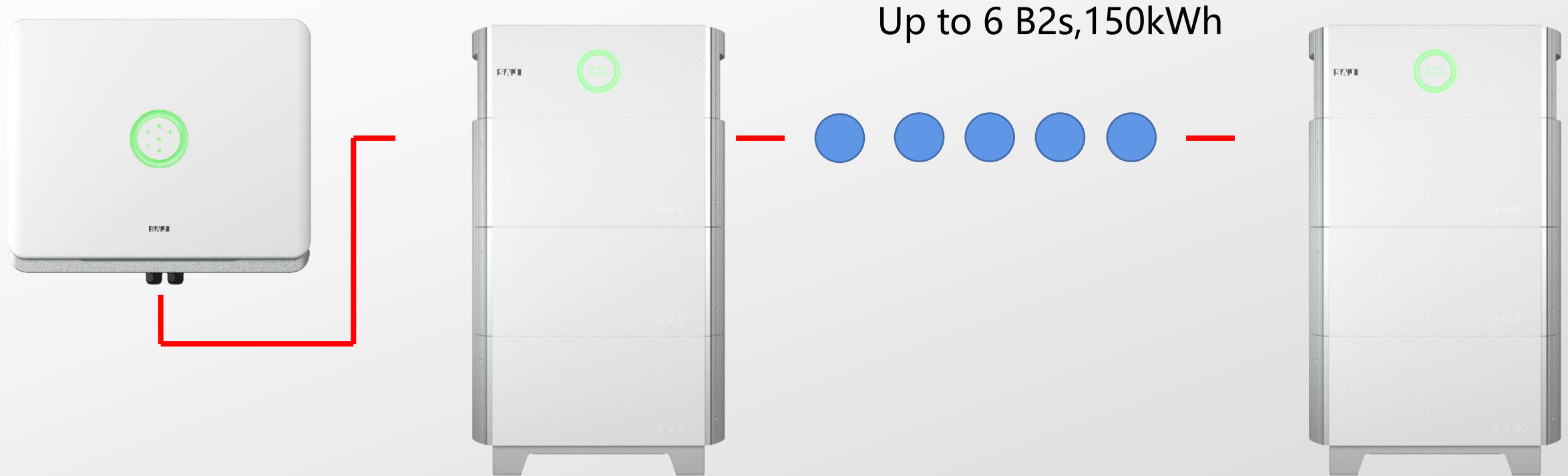
Battery charging and discharging time can be flexibly set based on your local peak and off-peak electricity period to minimum the util fees.



The further H2 parallel function

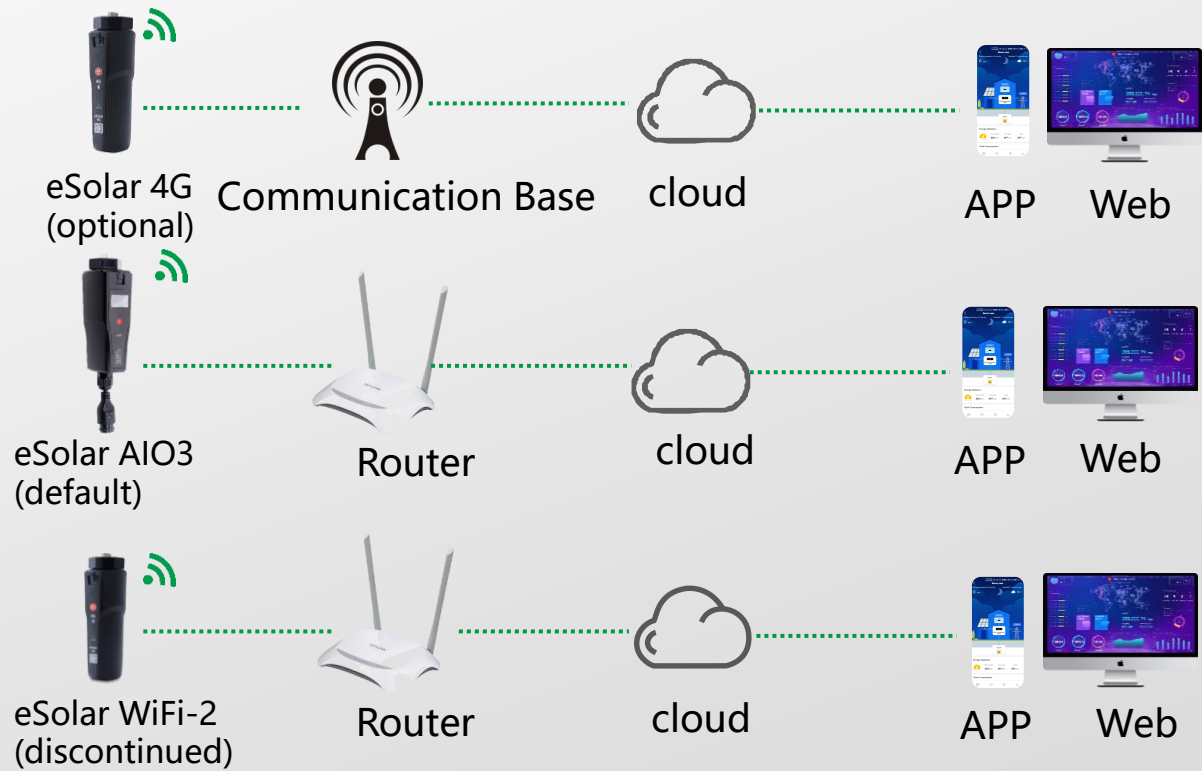


The further battery parallel function



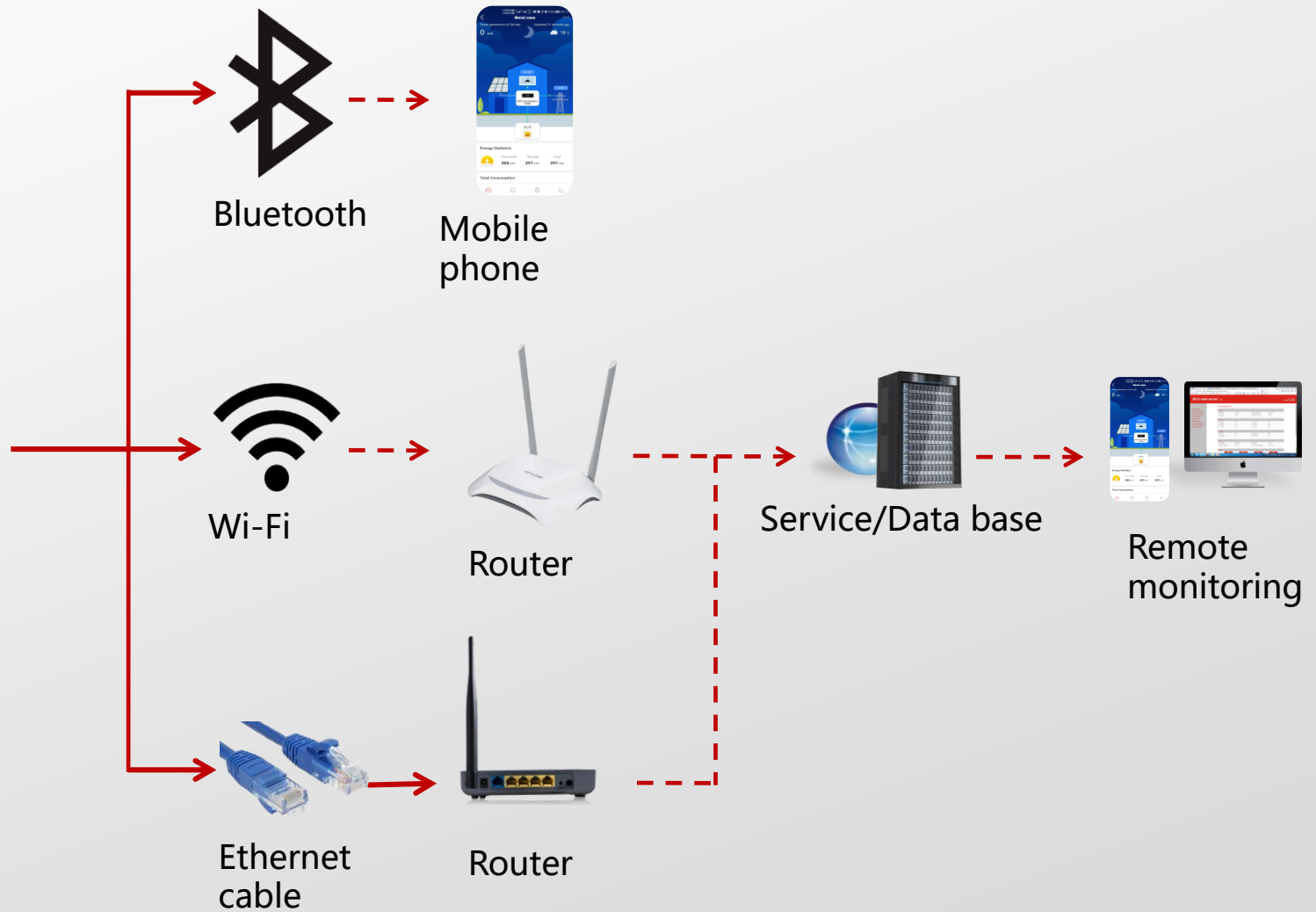


H2





Inverter + eSolar AIO3





HS2 series



AFCI
(optional)

150%
150% DC oversizing

16A
String current up to 16A



AC retrofit &
easy installation

UPS

switch time < 10 ms



Modular design and
expandable up to
25kWh

HS2 Single phase 3/3.6/4/5/6kW Three phase 5/6/8/10kW

The naming rule

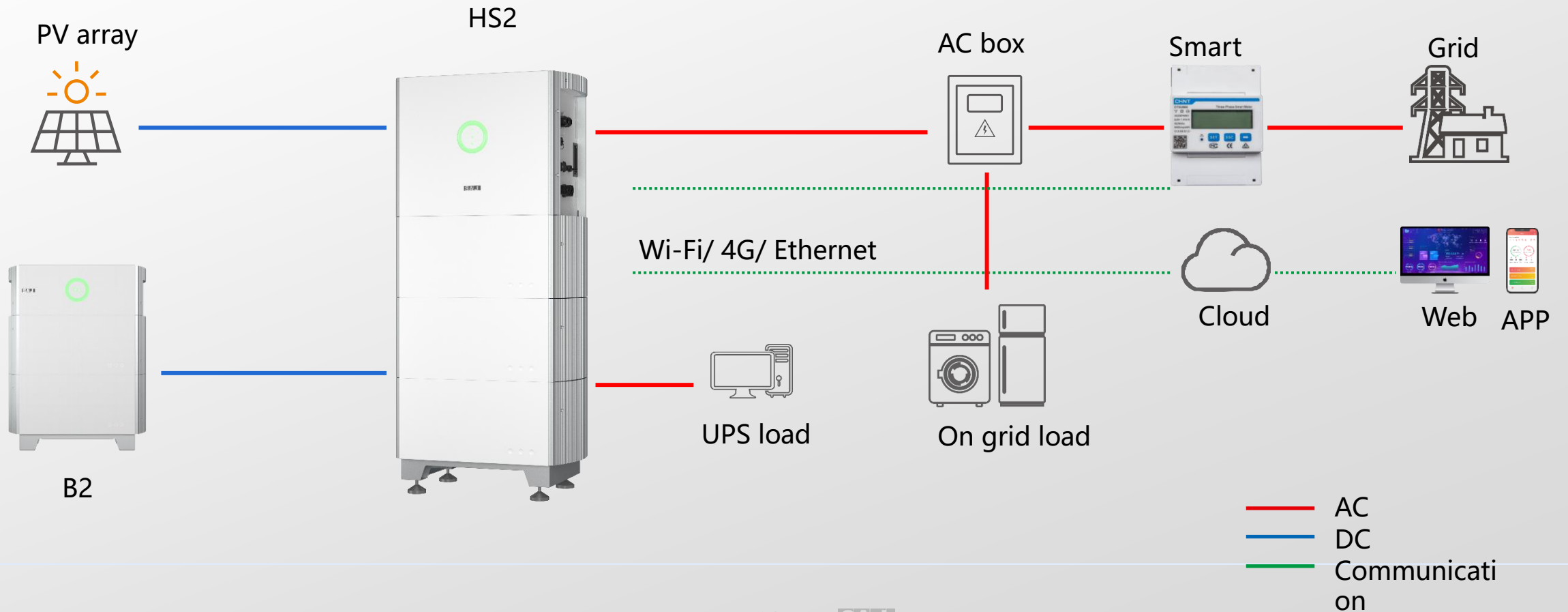


HS2-5K-S2/T2

① ② ③ ④ ⑤ ⑥



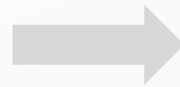
- ① Hybrid inverter.
- ② System, all in one system.
- ③ Second generation technology.
- ④ Rated output power.
- ⑤ S means Single phase.
T means Three phase.
- ⑥ 2 MPPT.



Flexible application



Battery
B2-5.0-HV1

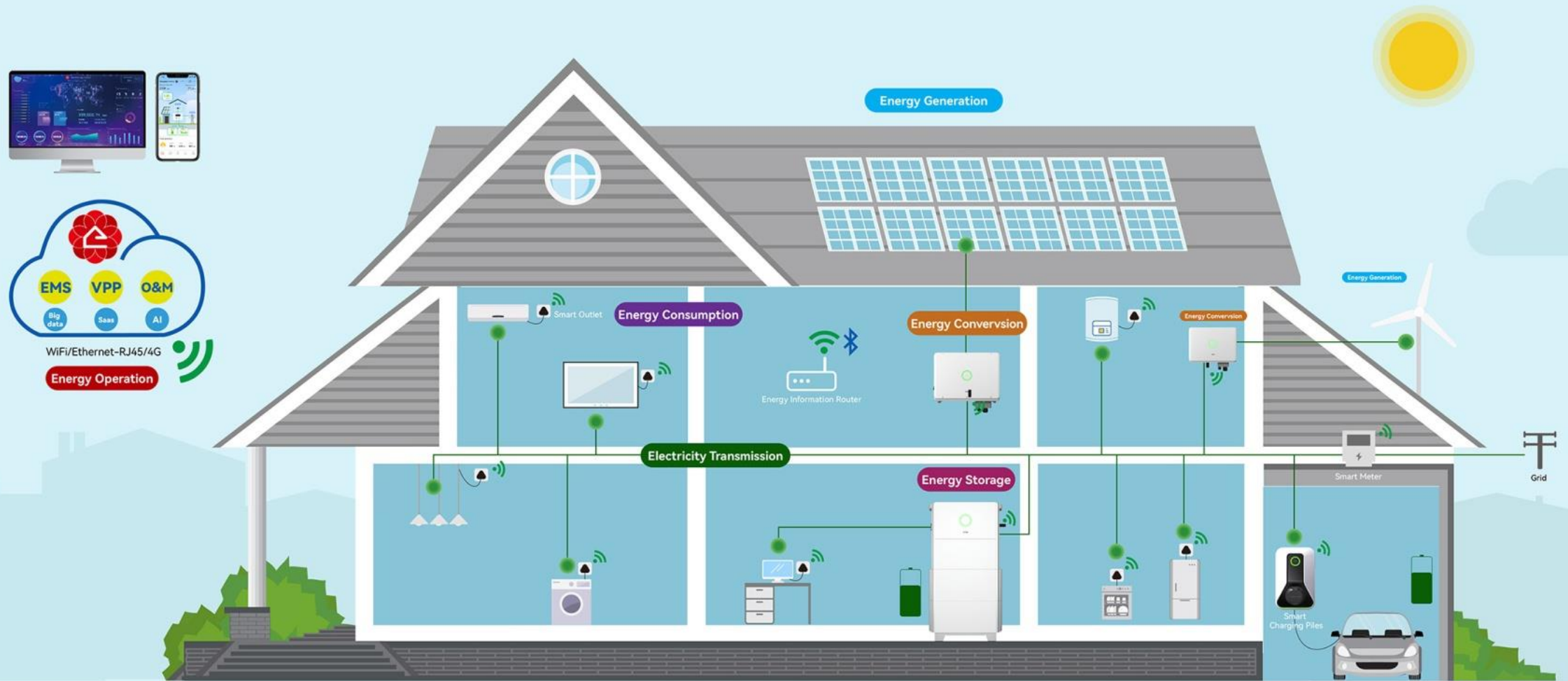


Up to
*5

single-phase HS2: 25kg
three-phase HS2: 32kg

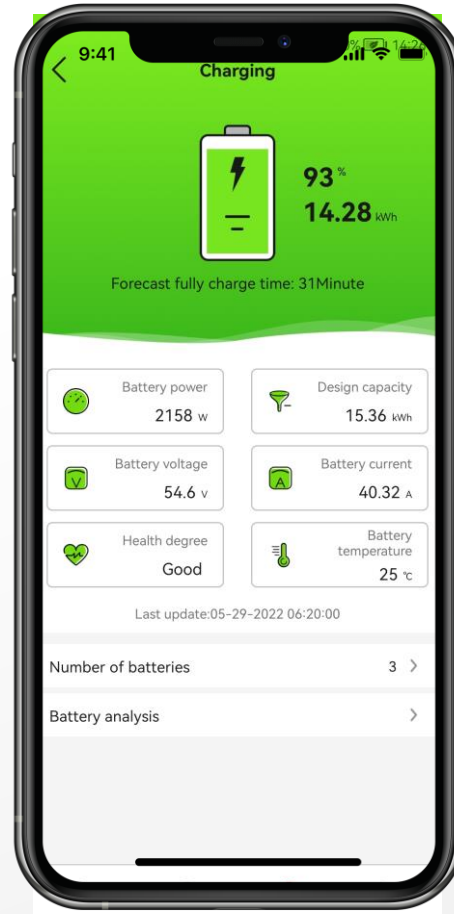
4 max. modular (20kWh) design for a single-phase HS2
5 max. modular (25kWh) design for a three-phase HS2

eSAJ Home

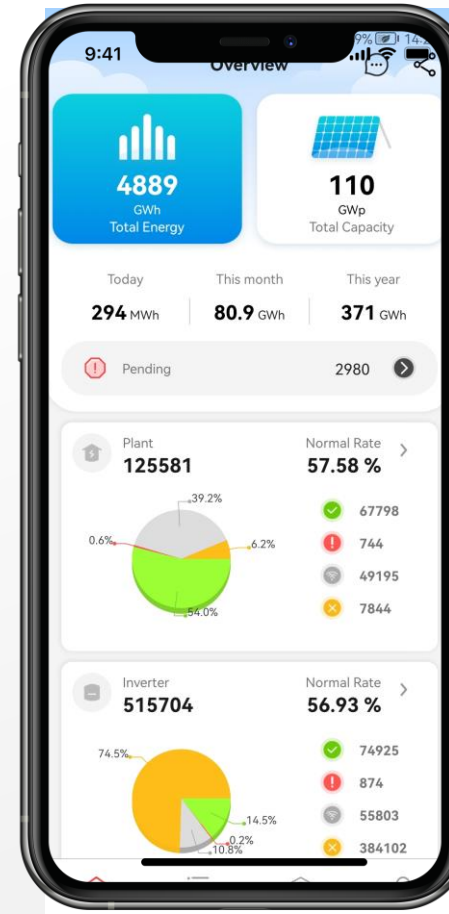




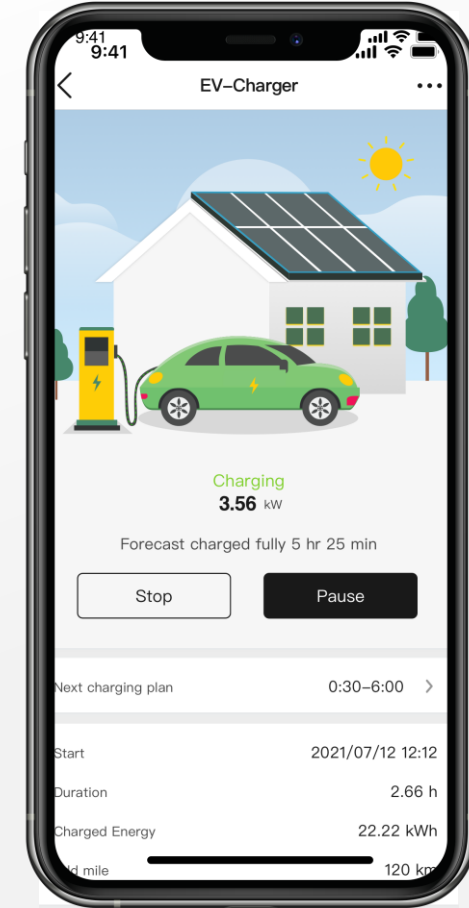
Power flow - varying with weather conditions and sunset times



BMS management system



Plant Management
Inverter management
Battery management

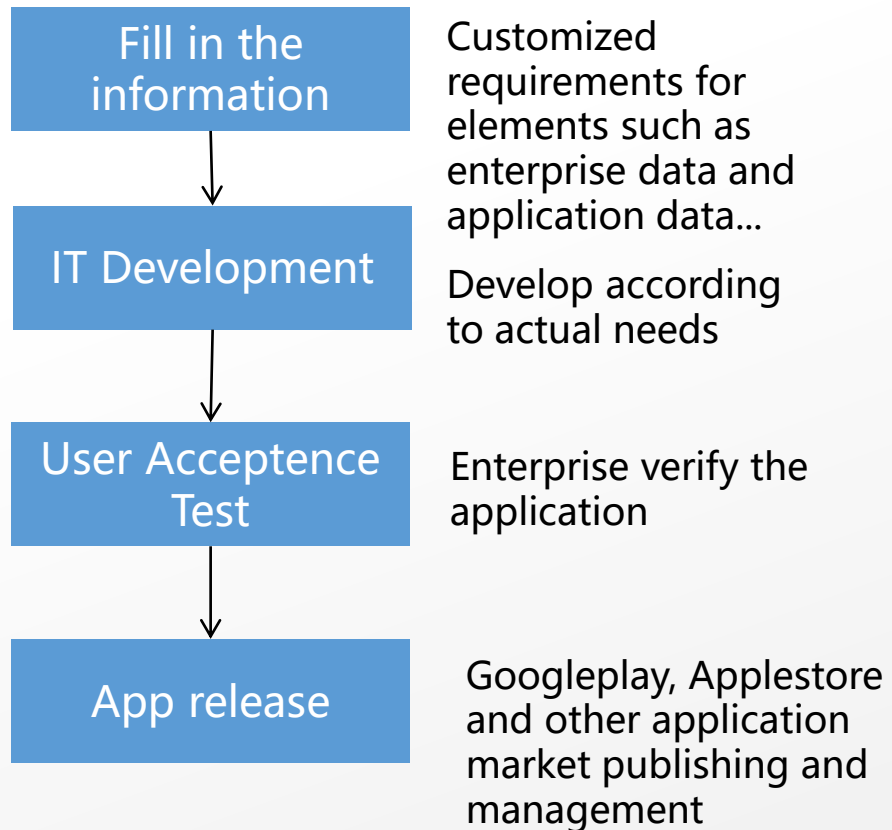


Smart Charging Modes
1. Maximum power mode
2. PV Excess mode
3. Intelligent appointment mode

eSAJ Open Platform



No coding



We provide API that can control energy devices' & access to our eSAJ Home and other system, help to realize energy operating scenarios & build your own business.

Low coding

A 3D rendering of a long, bright white hallway with a series of white columns on both sides, creating a strong sense of perspective and depth. The floor and walls are all white, and the lighting is soft and even.

Thank You