

 **Share-Home**

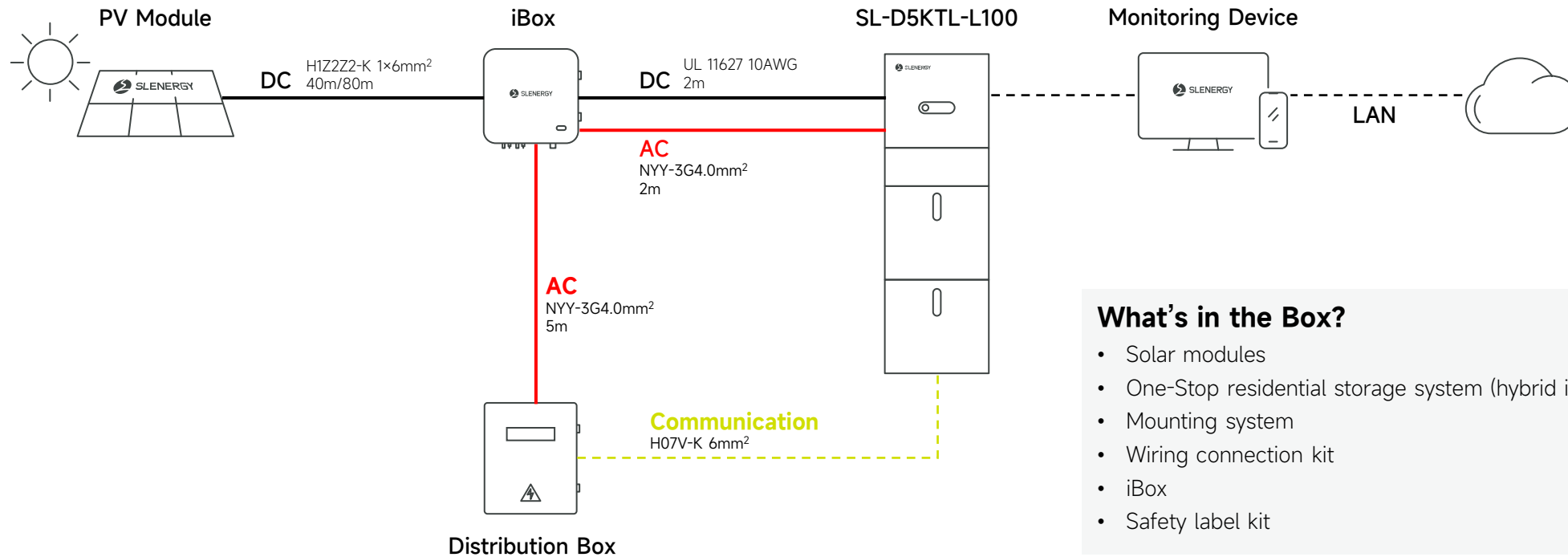
One-Stop
Residential Energy Solution



About iShare Home

iShare Home Smart Solar Solution

The all-in-one Residential Storage System applies to the single-phase power grid with a voltage of 230V and a frequency of 50/60Hz. Mounting structure is tailored specifically for Pitched Roof buildings of Concrete Tile, Clay Tile or Slate Tile.



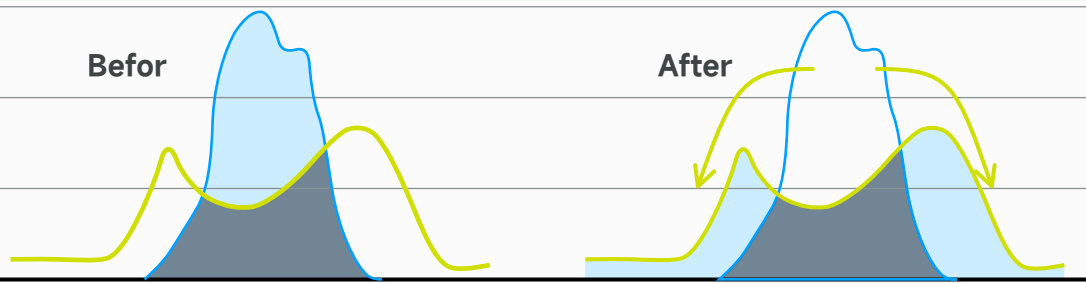
- What's in the Box?**
- Solar modules
 - One-Stop residential storage system (hybrid inverter + energy pack)
 - Mounting system
 - Wiring connection kit
 - iBox
 - Safety label kit

Work Mode

Self Consumption

Strategy: PV generation meets the demand of the loads in priority.

Purpose: Cut electricity bill by minimizing the energy consumption from the grid.

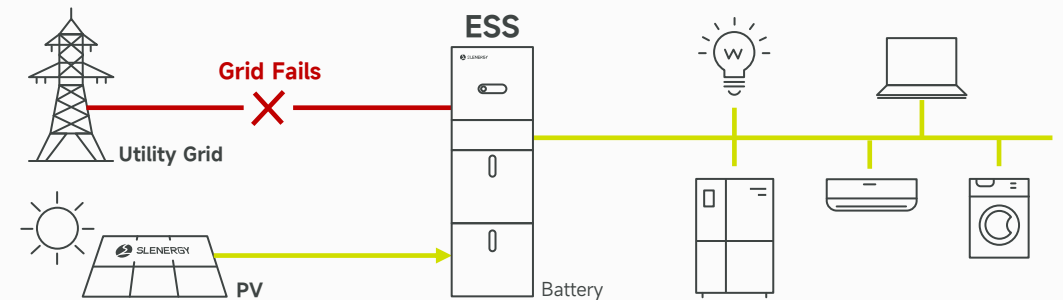


Grid-tie system without storage

Battery Priority

Strategy: PV generation and Grid meet the demand of battery charging; Battery discharges only after grid failure in order to reduce life cycles of battery.

Purpose: Ensure the UPS function of the system.



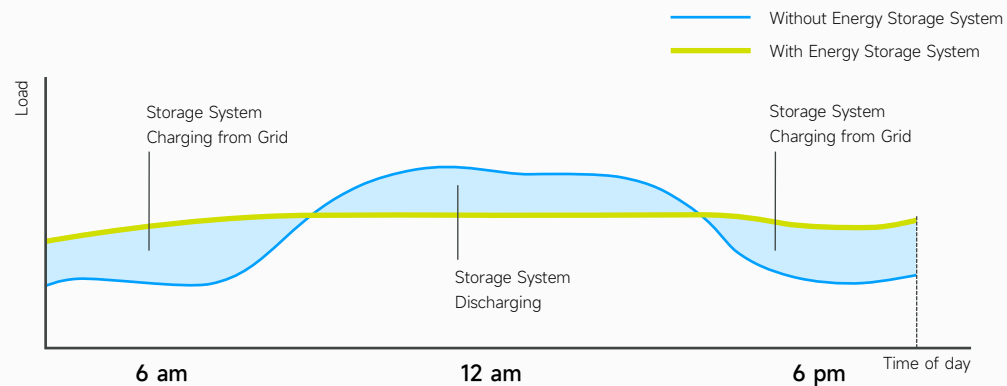
Work Mode

Load Shifting and Peak Shaving

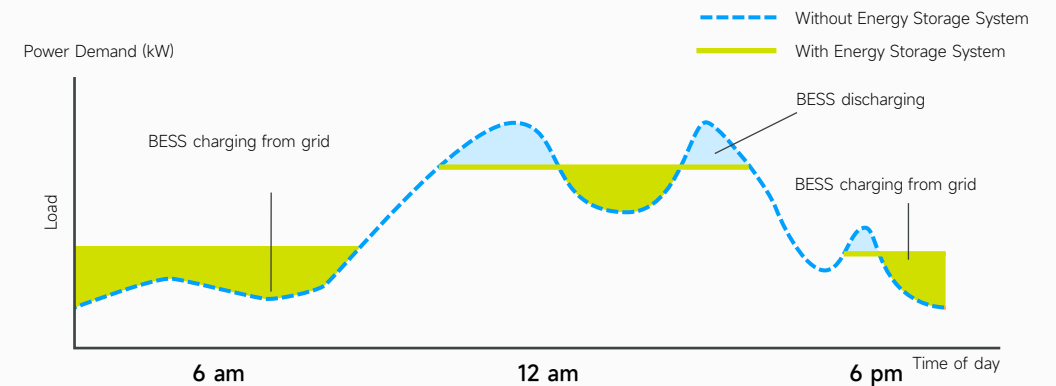
Reduce your electricity bill by storing electricity during off-peak time and shift energy to be used at peak time.

Strategy: Battery control of charging/discharging can be preset depending on the period of valley-peak, Battery is charged at the maximum power.

Purpose: Planning load curve and dispatch order from grid aggregator.



Avoid the increase of import capacity to supply the peaks of a variable load. Energy storage provides a fast response and emission-free solution.



Simple
installation
With less labor
and time cost

“Zero defect”
product

Residential
smart energy
system solution

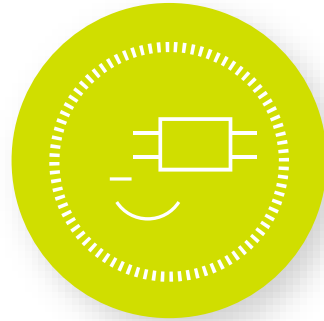
Better
compatibility
& reliability

One-Stop Residential Energy Solution

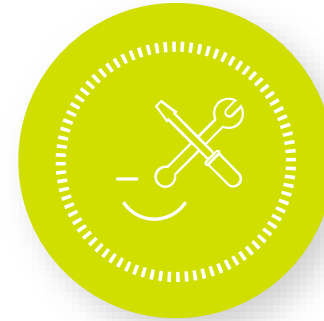
Integrated
service system
of pre-sale,
sale and after-sale



Standardized System Design



Modular Product Design



Simple Installation Design



Smart Energy Management System

Standardized System Design

System Design

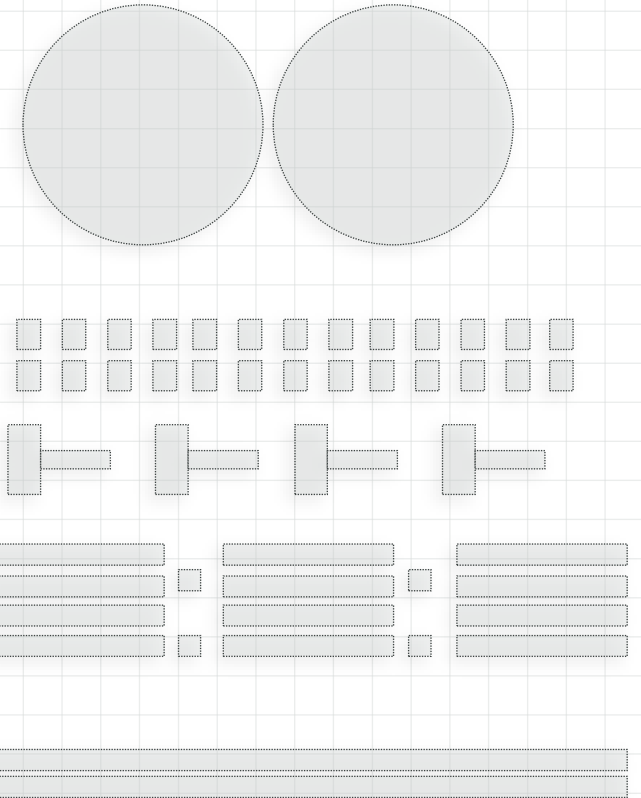
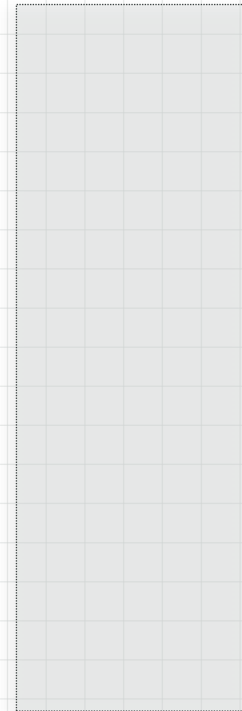
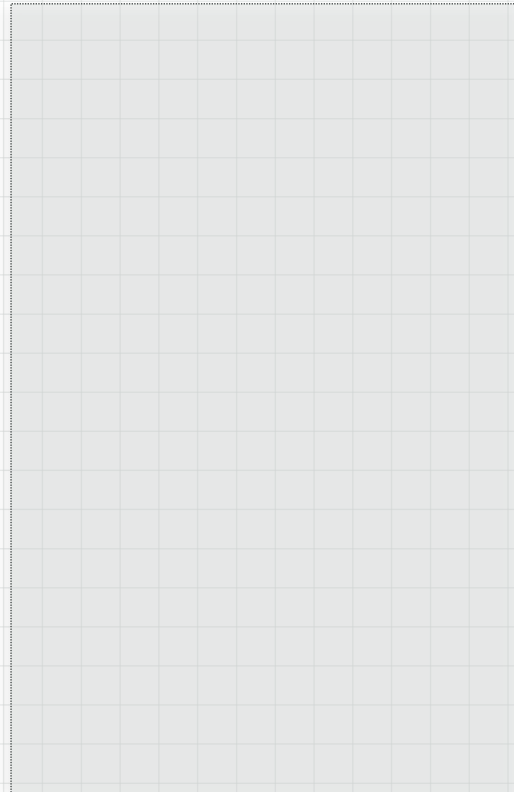
- Standard BOM

Interface design

- The connection between each equipment is designed with standard interface

Product Design

- All-in-one residential energy storage system
- Mounting Structure: Able to meet the load and installation requirement in most area of target market
- High compatibility
- Cable design standardization



Modular Product Design

Energy storage

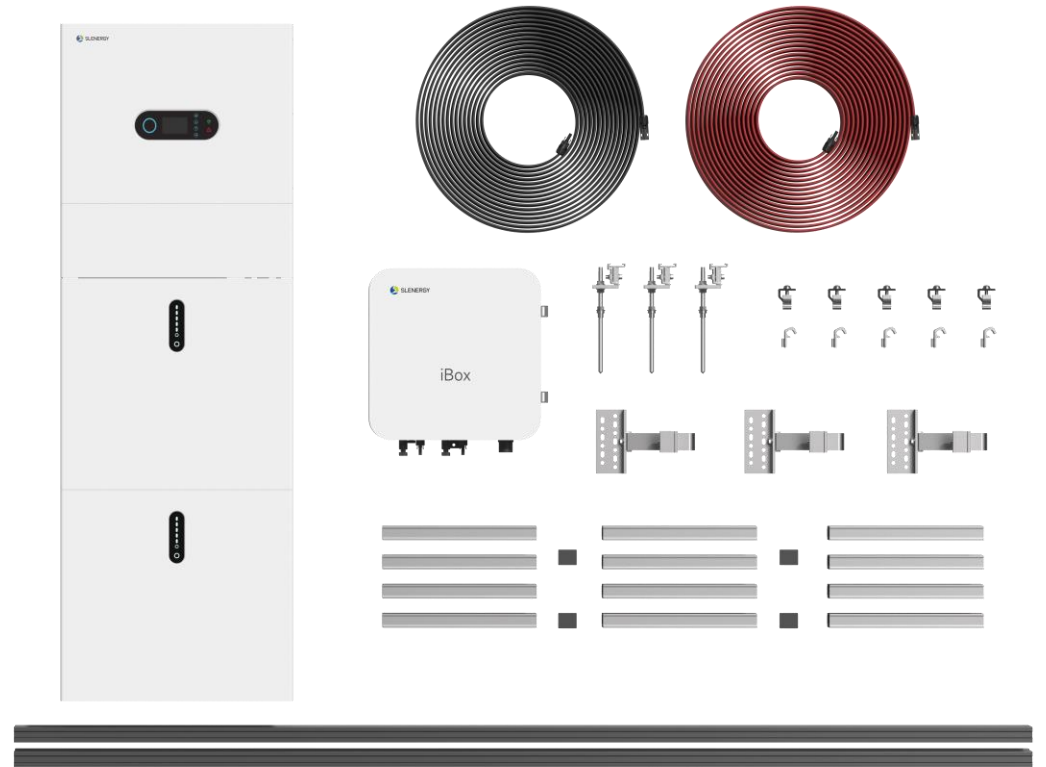
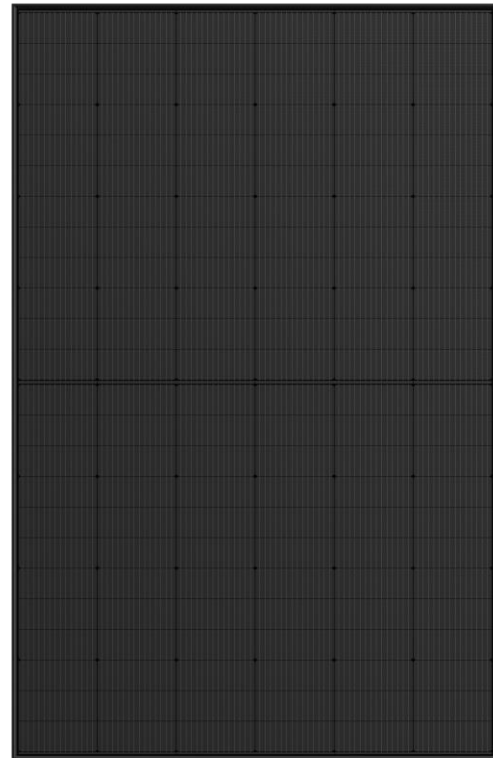
- Adopts the smallest modular unit of 5.12kWh, which can be flexibly configured according to customer needs.

Mounting structure

- Design the mounting structure of two PV modules as the smallest unit, able to maximize the use of roof area.

Packing

- Adopts system parts packing, delivers complete set



Simple Installation Labor Saving

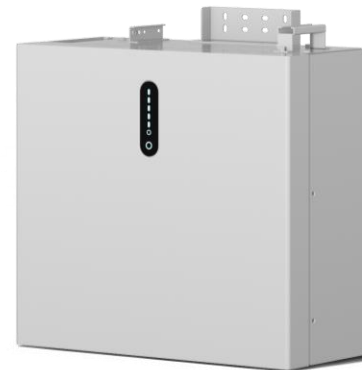
Saving 50% installation time

- Installation in half an hour, wiring in one hour.
- Quick plug connection design ,free from on-site wiring.

Handled by single person

- One module is less than 50kg, which can be handled by single person.

50%
Installation Time



Installed by single person

- stacked and installed by single person.

Minimum cover

- 0.6M*0.25M (0.15 square meters)

Simple Installation Time Saving

Simply connect and secure

- Mounting structure components and cable with connectors are preassembled, only need to be connected and fixed during installation

Save time, simple to install and disassemble

- Modular packaging and logistics, greatly reducing the time of primary and secondary sorting, reducing sorting errors;
- Simple to disassemble, simple to use and simple to install



Sorting saves
0.5h

Single-device-level packaging requires secondary configuration of the system, which is error-prone

Standardized system-level packaging, convenient for transportation, storage and system identification

All-in-one Design



- Integrated distribution
- Integrated design and quick plug connection
- Plug and play, free of adjusting the inverter and battery together.

Split Type



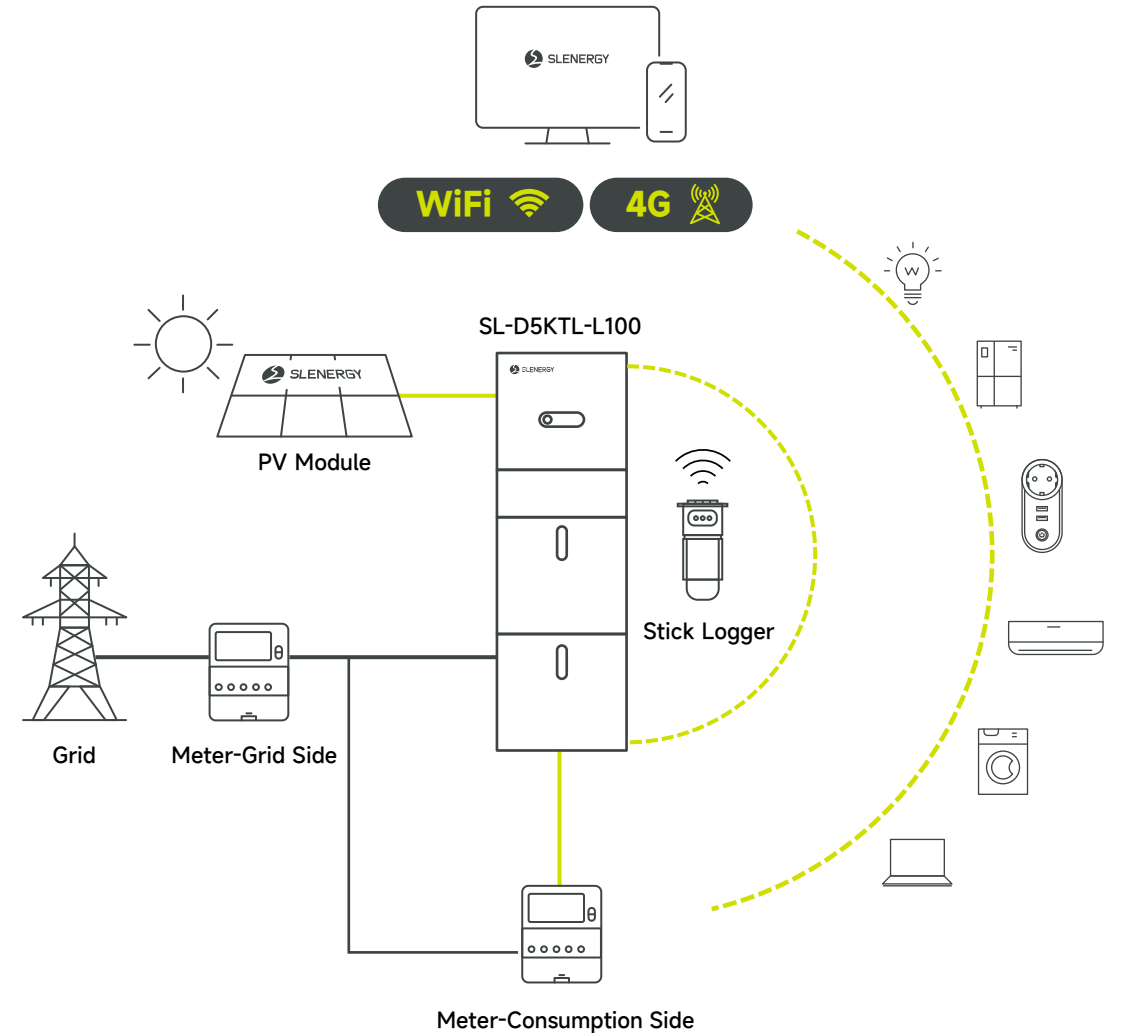
- Making unsightly cables on the spot
- Power distribution and installation
- Adjust the inverter and battery together

Interconnect Online Monitoring

WiFi Plug or 4G Plug optional, Real-time online monitoring from anywhere at anytime by APP or PC Web.

24h
WiFi / 4G

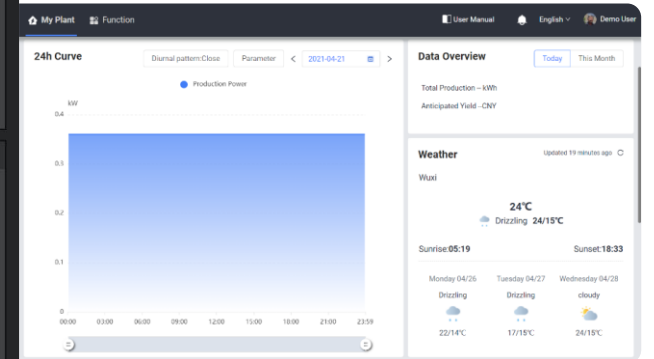
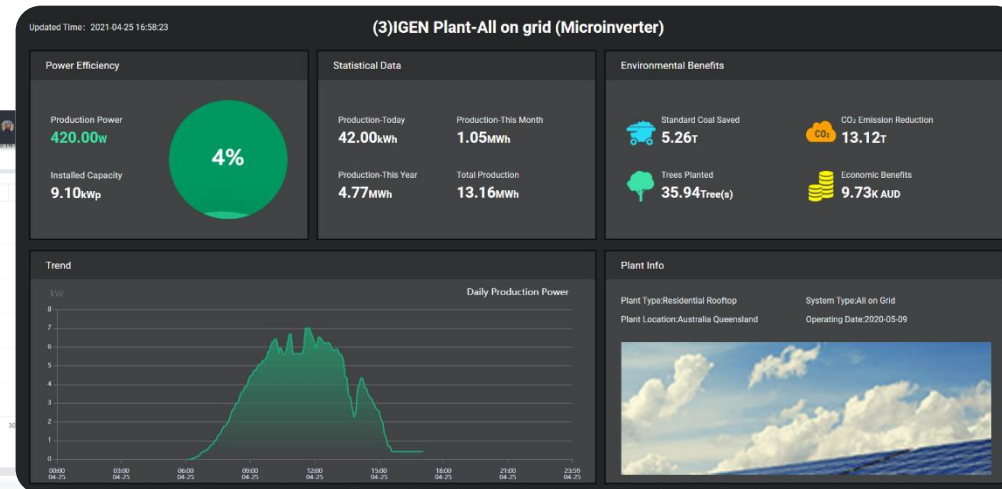
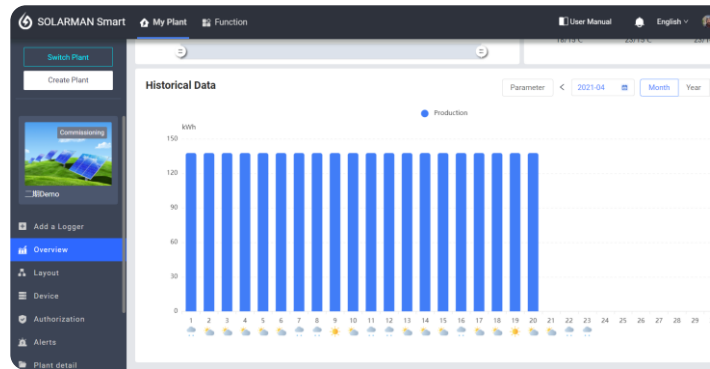
- The solution is designed to monitor load energy consumption in real time for 24 hours.
- Based on the best design principles, the monitoring system is tailored to the needs of the home and requires only an internet connection. The data collected is stored in the cloud by Wi-Fi or 4G.
- The end users benefit by achieving a better understanding of their electricity consumption and the source from which it is generated.



Interconnect Smart Home Energy Management System

An open protocol monitoring platform is designed to help operators to monitor a diverse range of PV plants operating at different places simultaneously.

It carries extensive data processing, including the production of customized charts. Its system of notifications and maintenance functions help the operators of PV assets to manage the generation of energy efficiently and comfortably, contributing to higher system yields.





About Products

PV Module

Max. Efficiency
20.7%Module Power
405Wlow-profile and minimalist aesthetic
All Black

Model	SL-108PA-405
Maximum power / W	405
Open-circuit voltage / V	37.38
Short circuit current / A	13.76
Peak power voltage / V	31.35
Peak power current / A	12.92
Temperature coefficient of short circuit current (Isc) / A	+0.048%/°C
Temperature coefficient of open circuit voltage (Voc) / V	-0.26%/°C
Temperature coefficient of peak power (Pmax) / W	-0.340%/°C
Max. Efficiency	20.70%
Weight (L*W*H) / kg	1722*1134*30 / 21.2
Certificate	IEC 61215, IEC 61730, IS 9001: 2015, ISO 14001:2015, IEC 62716, IEC 61701, IEC TS 62804-1, IEC 60068-2-68

**2.00%**

First year Power Degradation

0.5%

Year 2-25 Power Degradation

12-year

Warranty for materials and Processing

25-Year

Warranty for Extra Linear Power Output

PV Module

Max. Efficiency

20.74%

Module Power

405W

low-profile and minimalist aesthetic

All Black

Model	SL-108PA-405R
Maximum power / W	405
Open-circuit voltage / V	37.19
Short circuit current / A	13.87
Peak power voltage / V	31.23
Peak power current / A	12.97
Temperature coefficient of short circuit current (Isc) / A	+0.048%/°C
Temperature coefficient of open circuit voltage (Voc) / V	-0.270%/°C
Temperature coefficient of peak power (Pmax) / W	-0.350%/°C
Max. Efficiency	20.74%
Weight (L*W*H) / kg	1722*1134*30 / 21.5
Certificate	IEC 61215, IEC 61730, IS 9001: 2015, ISO 14001:2015, IEC 62716, IEC 61701, IEC TS 62804-1, IEC 60068-2-68

**2.00%**

First year Power Degradation

0.55%

Year 2-25 Power Degradation

12-year

Warranty for materials and Processing

25-Year

Warranty for Extra Linear Power Output

All-in-One Residential Storage System

LiFePO₄

Safer LiFePO₄ batteries

5.12-20.48kWh

Flexible Application Modular design with extensible capacity from 5.12-20.48kWh

10000 Cycle

Reliable Performance Long working life 10000cycle with 90% DoD



10000 Cycles



24/7 Monitoring



UPS



VPP



Safety



Easy Installation



Safety

- CATL LFP Batter, stable and safe
- Module, pack, system, triple protection
- IP65, outdoor installation, away from living room

Simple

- Modular design, single person can carry and install it.Plug and play, 30 min quick installation Space saving; 0.15 sq. m foot print

Interconnection

- Global cloud platform & Mobile APP
- anytime and any where
- Open API, support power internet applications

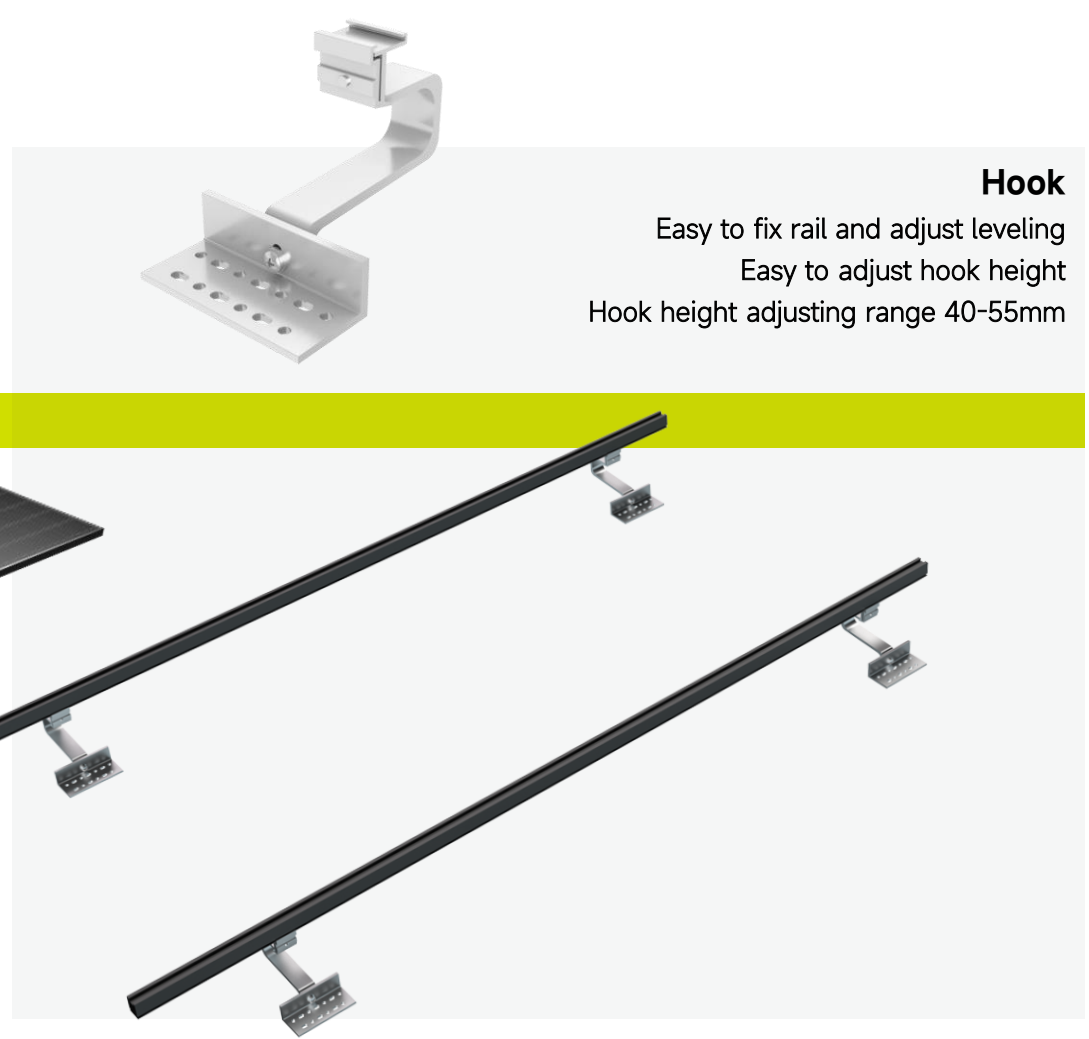
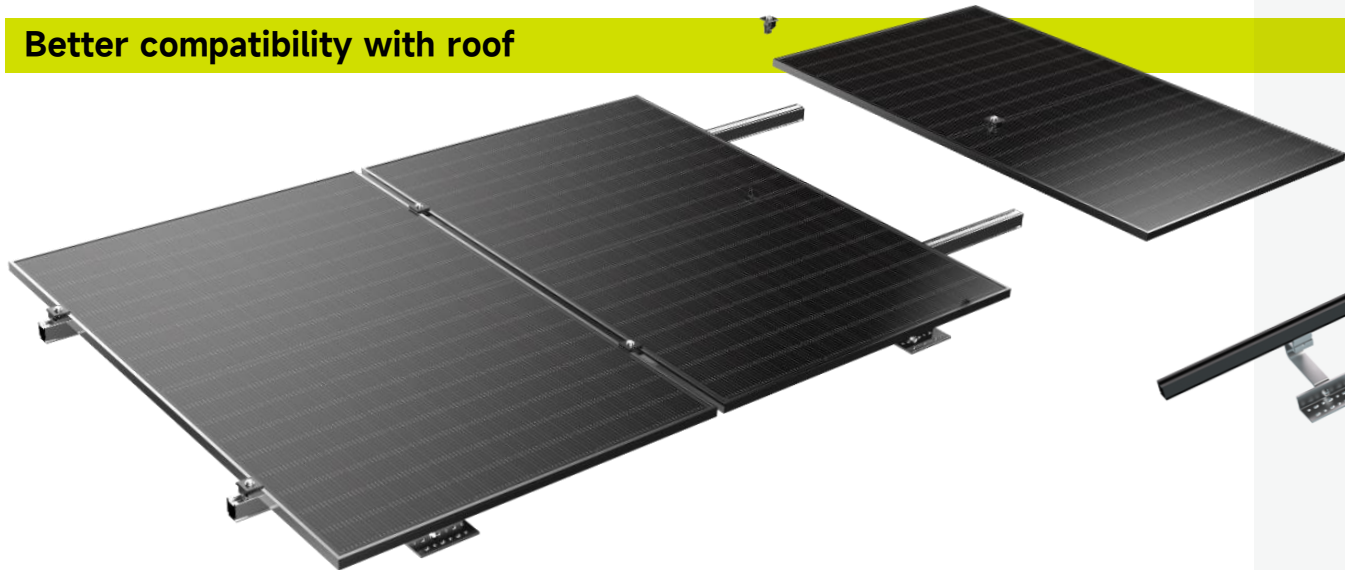
Remark:
The products are continuously upgraded, subject to the final delivery.

Mounting Structure

High strength aluminum alloy

Minimum modular design with two PV panels

Better compatibility with roof



Hook

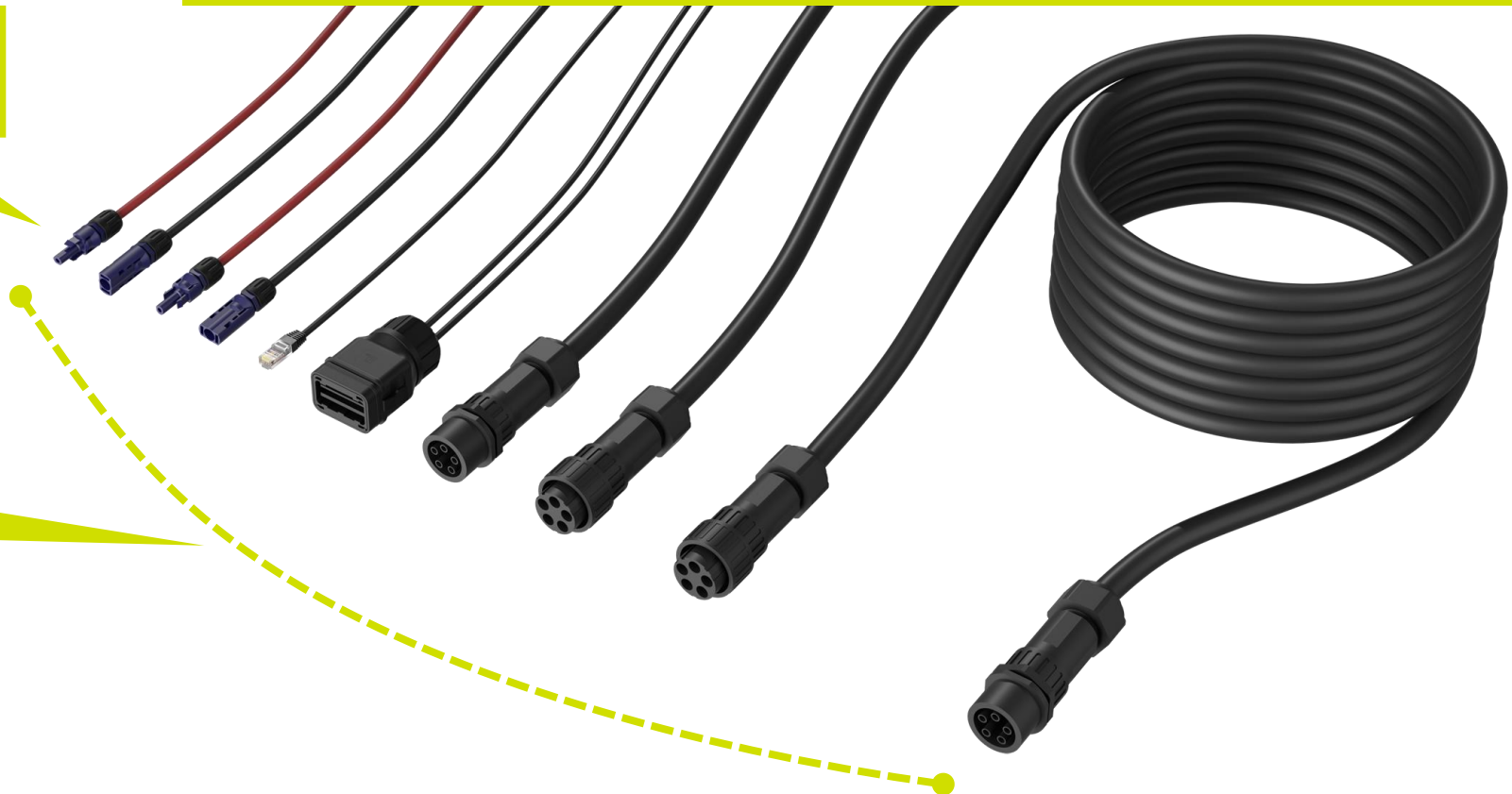
Easy to fix rail and adjust leveling
Easy to adjust hook height
Hook height adjusting range 40-55mm

Cable Set

Standardized wire length, Pre-installed plugs

Plug and play

Full cable set



iBox



Integrated power distribution

System friendly access

Equipped with a home smart energy management system

System Configuration

PV Module	4.05kW	4.86kW	5.67kW	6.48kW
No. PV modules (pcs)	10	12	14	106
Effective Roof Area Approx.	20m ²	24m ²	28m ²	32m ²
Inverter	5kW*1set	5kW*1set	5kW*1set	5kW*1set
Battery	5kWh-20kWh	5kWh-20kWh	5kWh-20kWh	5kWh-20kWh
Cable set	1set	1set	1set	1set
Mounting Structure set	1set	1set	1set	1set
Cloud & APP	1set	1set	1set	1set
iBox	1set	1set	1set	1set
Power Generation	18kWh/Day 6570kWh/Year	21kWh/Day 7665kWh/Year	25kWh/Day 9125kWh/Year	28kWh/Day 10220kWh/Year
Carbon Dioxide Emission Reduction	Reduce carbon dioxide 6.5 ton per year	Reduce carbon dioxide 7.6 ton per year	Reduce carbon dioxide 9.1 ton per year	Reduce carbon dioxide 10.2 ton per year

- Take Madrid, Spain as a reference. The annual peak sunshine hours are 1587.75 h
- Each 1kWh generated reduce 0.997kg of CO₂

Valuable

- Standardized BOM,save design time
- Quick installation,save labor cost
- Full process service,customer peace of mind

Reliable

- Integrated design,lower failure rate
- Unified standard,higher product quality
- Active power off protection and Arc-fault circuit interrupter,safer system
- CATL LFP Battery, stable and safe Module



Smart

- Real-time monitoring,intelligent control
- Intelligent detection,safe operation
- Remote upgrade,fault alarm

Simple

- Preassembled parts, simple connection
- Packing in system, convenient for warehouse sorting
- All-in-one energy storage system, single person can carry and install it

THANKS!

 **Share-Home**

One-Stop Residential Energy Solution

2023.06