

SAJ



SAJ

Guangzhou Sanjing Electric Co., Ltd

www.saj-electric.com

SAJ Storage Solutions

Content

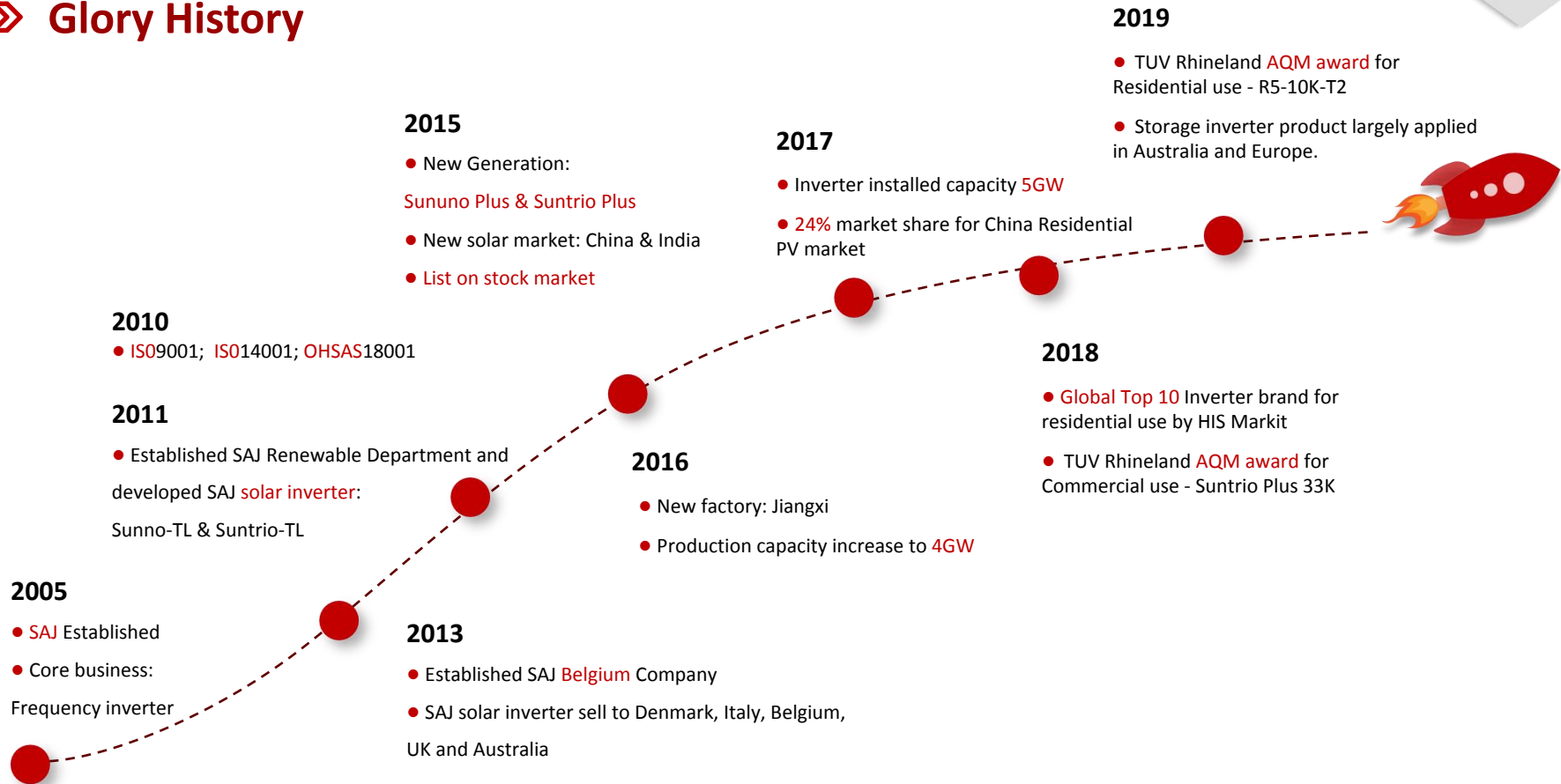
- 1 • SAJ Company
- 2 • AC Retrofit Storage Solution
- 3 • Hybrid Storage Solution
- 4 • eSolar Portal



- Founded in 2005
- HQ in Guangzhou, China
- 500 employees
- Sales and support employees worldwide
- Products certified across countries
- Installed capacity over 5GW



» Glory History



» 4GW Production Capacity



- **Guangzhou HQ:** 1GW annual capacity;
- **Jiangxi factory:** 6GW designed capacity.

Total designed production capacity 7GW; in-use capacity 4GW; 24,800inverters/month.

» Global Structure

SAJ Electric Europe BVBA

Local office, warehouse,
service and repairing center

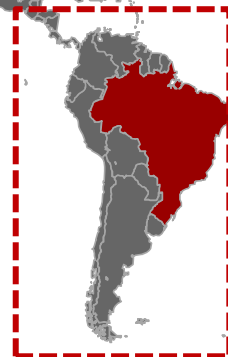


Guangzhou HQ
Jiangxi Production Center

SAJ India
Local sales and service team

SAJ Australia
Local sales and service team

SAJ Brazil
Local sales, service and
repairing center



» All-round Service



Product training



Design & Install

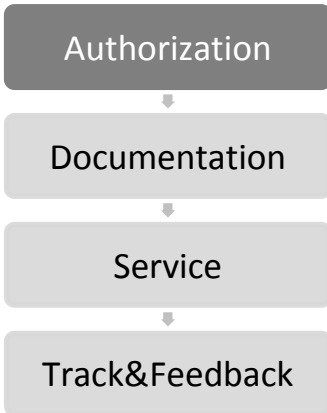
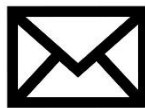


Monitoring



Trouble shooting

**BELGIUM
ITALY
AUSTRALIA
INDIA
BRAZIL**



**BELGIUM
BRAZIL**

Technical Training

Local Support

Service Partner

Repairing Center

» Strong Partners

IZEN
100% SLIMME ENERGIE



SolarToday

/// **PEIMAR**



 **zonneplan**

1STOP Warehouse
Be Clean, Be Green



Distributie van zonnepanelen
Eco-Tronic
Distribution de systèmes photovoltaïques



» Reputable Awards



» Solar Solutions

Residential Inverters



(Sununo/Suntrio Plus 1-10kW)

(R5 Series 1-20kW)

Commercial Inverters



(Suntrio Plus Series 25-60kW)

Storage Inverters



(H1 Series Hybrid 3-10kW)

(AS1 Series All-in-one Battery System 3kW)



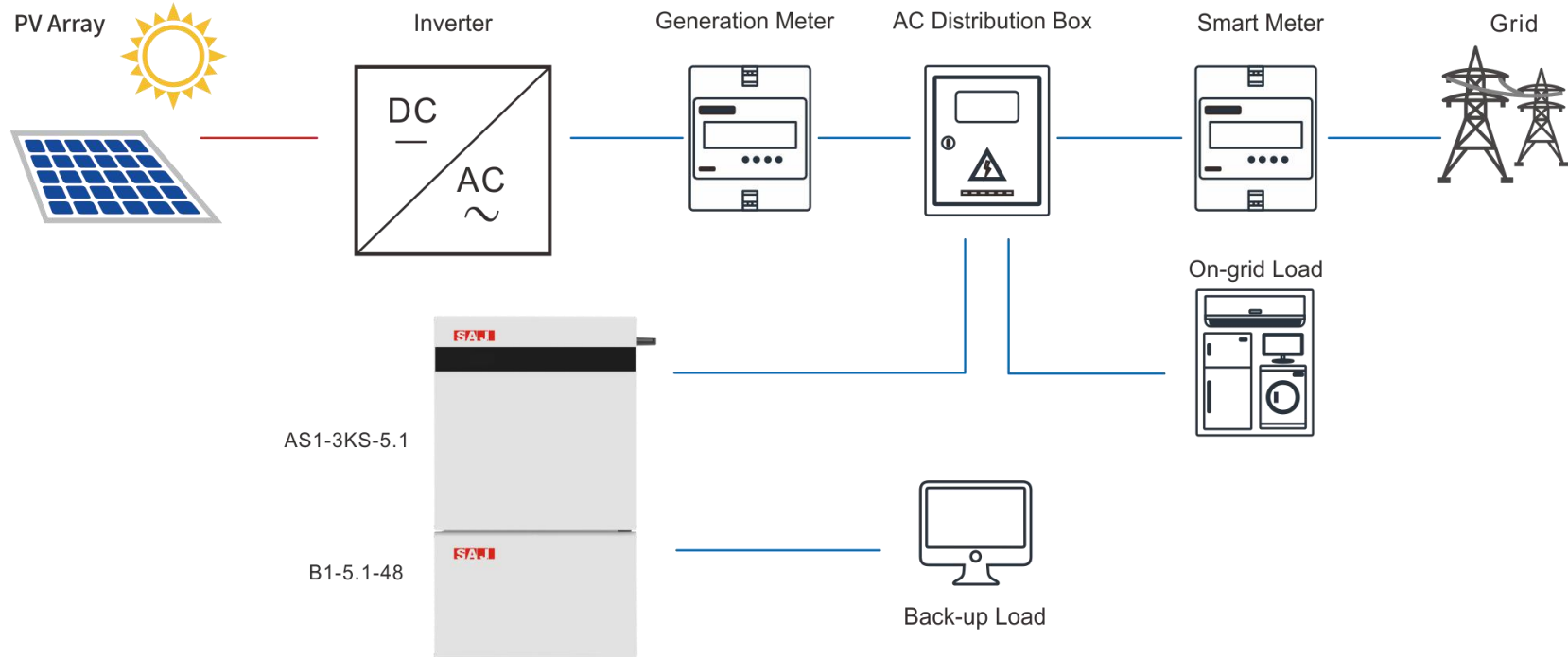
Monitoring portal and APP
eSolar Portal
eSolar Air APP
eSolar O&M APP



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➤ AC Retrofit System Diagram



» AC Retrofit Products

AS1-3KS-5.1

AC Retrofit Battery System

- Quick storage retrofit on existing PV plants
- With UPS function, switch time $\leq 10\text{ms}$
- Build-in 5.1kwh lithium battery (extendable)
- Compatible with all inverter brands
- Easy setting of smart working modes



» AC Retrofit Products

B1-5.1-48

PV Battery

- Usable capacity 4.6kWh
- Modular design
- Excellent protection
- Easy to install
- Safest chemistry
- Long lifespan

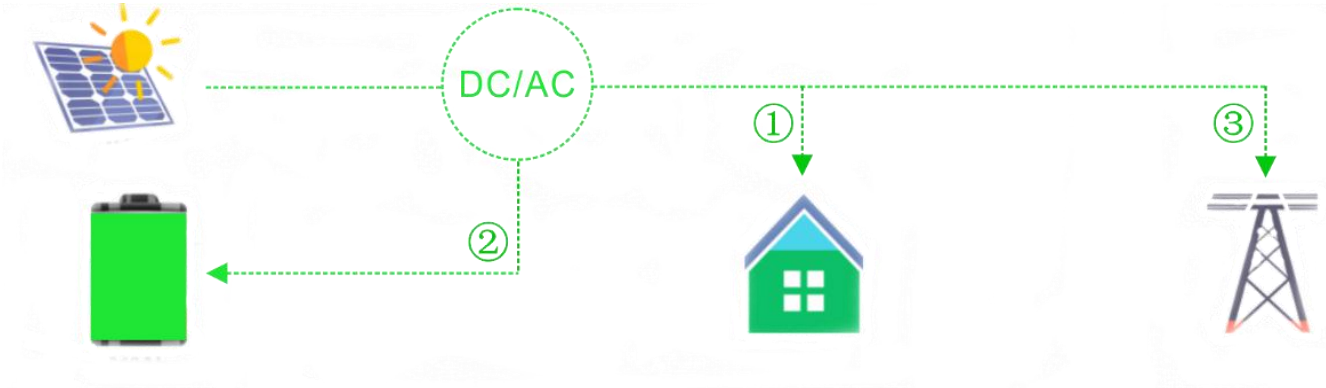


» AS1 Working Modes

Self-consumption Mode

Power supply priority: ①Load > ②Battery > ③Export to Grid

- 1) When PV power > load, PV will charge battery. When battery is 100% charged, PV will export to grid.
- 2) When PV power < load, battery will be discharge and supply power to load. When battery SOC reaches 10%, battery will stop discharging.



» AS1 Working Modes

Time-of-use Mode

On the basis of Self-consumption Mode, Time-of-use Mode needs extra settings of charge and discharge hours.

Charge Settings

Start hour:

Complete hour:

Charge power:

Days: Mon Tue Wed Thu
 Fri Sat Sun

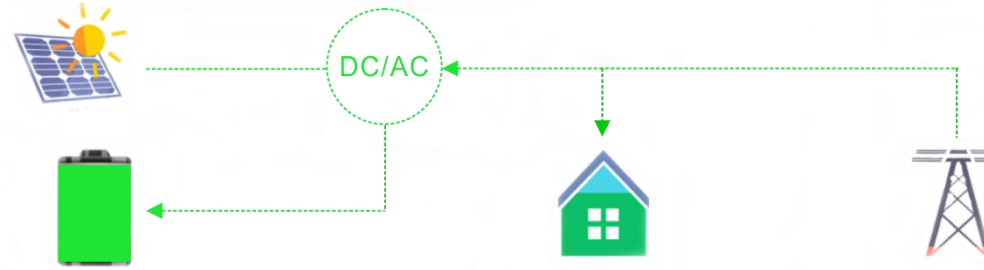
Discharge Settings

Start hour:

Complete hour:

Discharge power:

Days: Mon Tue Wed Thu
 Fri Sat Sun

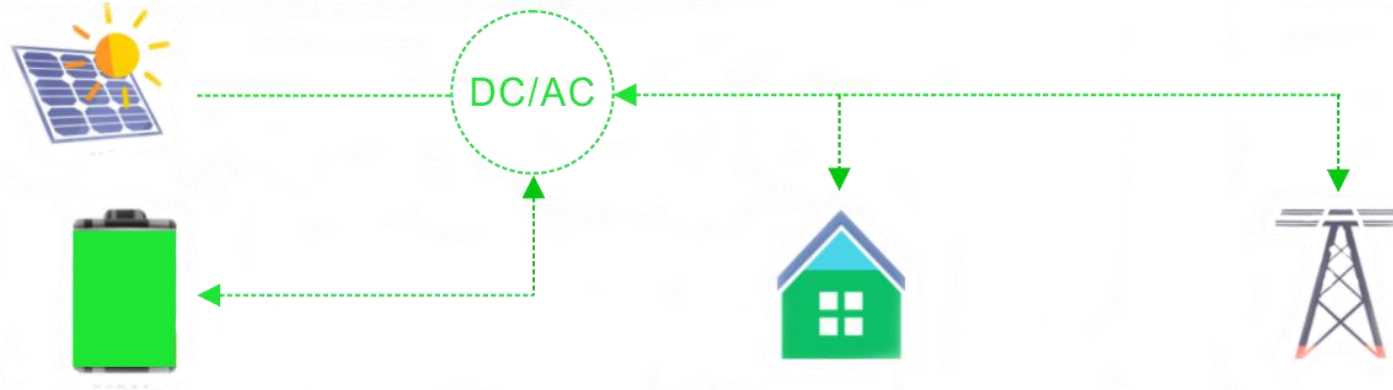


➤ AS1 Working Modes

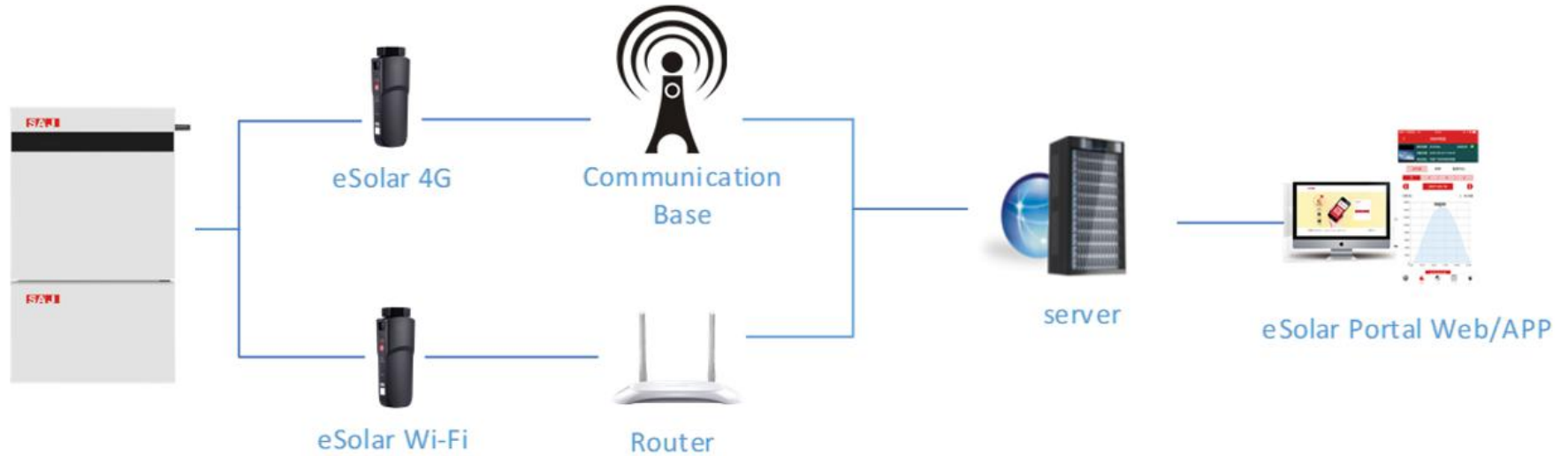
Backup Mode

In Backup mode, PV power will charge battery first until its SOC reaches 100%.

Battery will not discharge until there is a blackout of grid.



» AS1 Communication

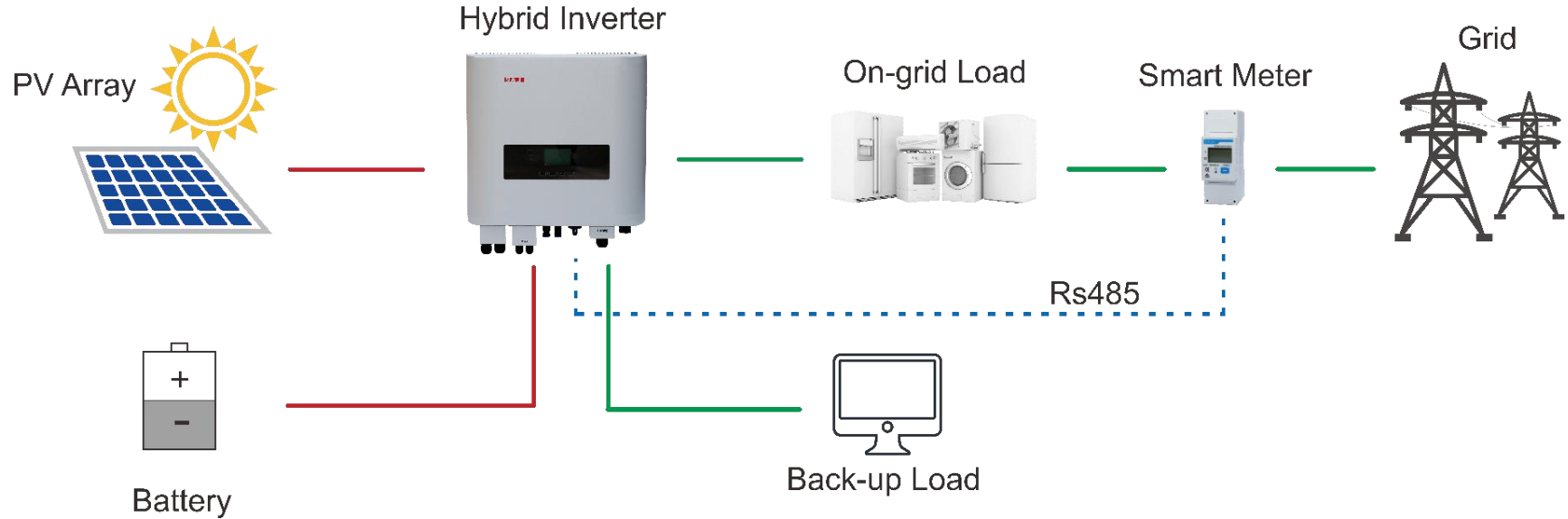




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» Hybrid System Diagram



» Hybrid Products

H1 SERIES

Single phase hybrid inverter



- DC 12.5A, matches glass-glass modules
- 100A charge current
- With UPS function, switch time $\leq 10\text{ms}$
- Easy setting of smart working modes

H1-3K/3.6K/4K/5K/6K-S2

» Hybrid Products: H1 series

H1 SERIES

Three phase hybrid inverter



- DC 12.5A, matches glass-glass modules
- DC max input 1100Vdc
- Battery input voltage range 160-550Vdc
- 150% overload output for >1min
- Easy setting of smart working modes
- Fanless design, quiet and comfortable

H1-5K/6K/8K/10K-T2



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eSolar Portal

eSolar Portal is a cloud-based **data monitoring, remote maintenance** and **energy management** platform developed by SAJ.



FEATURES:



Real-time monitoring any time any where



Push notice by email



Error alarm and alarm follow-up functions



Remote configure and remote update



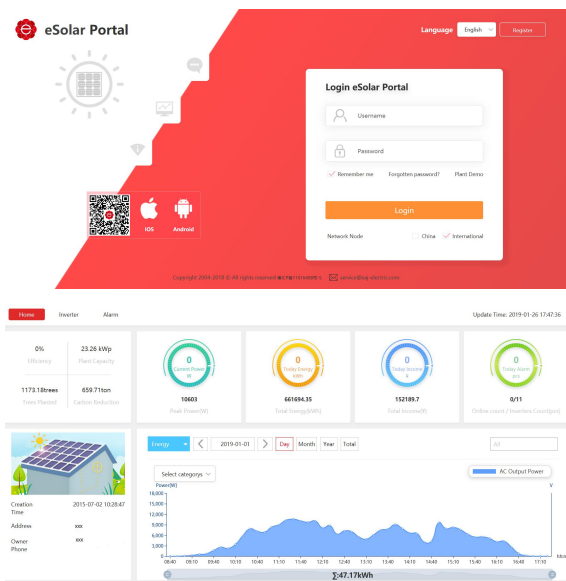
Online GPRS data top-up



Big TV screen for publication

➤ eSolar Portal (Web)

A web monitoring portal for all SAJ inverter users.



➤ eSolar O&M (APP)

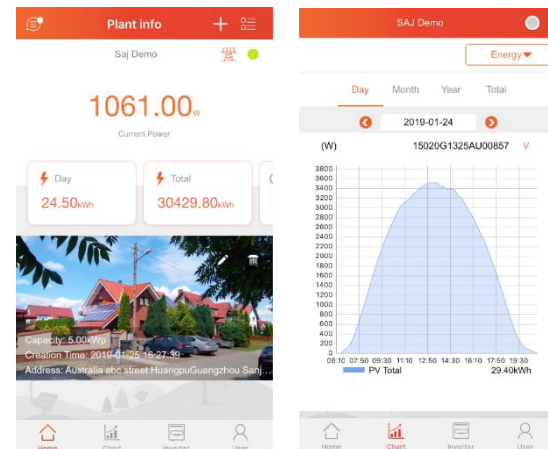
IOS/Android APP for installers.



- Remote configuration
- Error alarm push notice
- Trouble shooting instructions

➤ eSolar Air (APP)

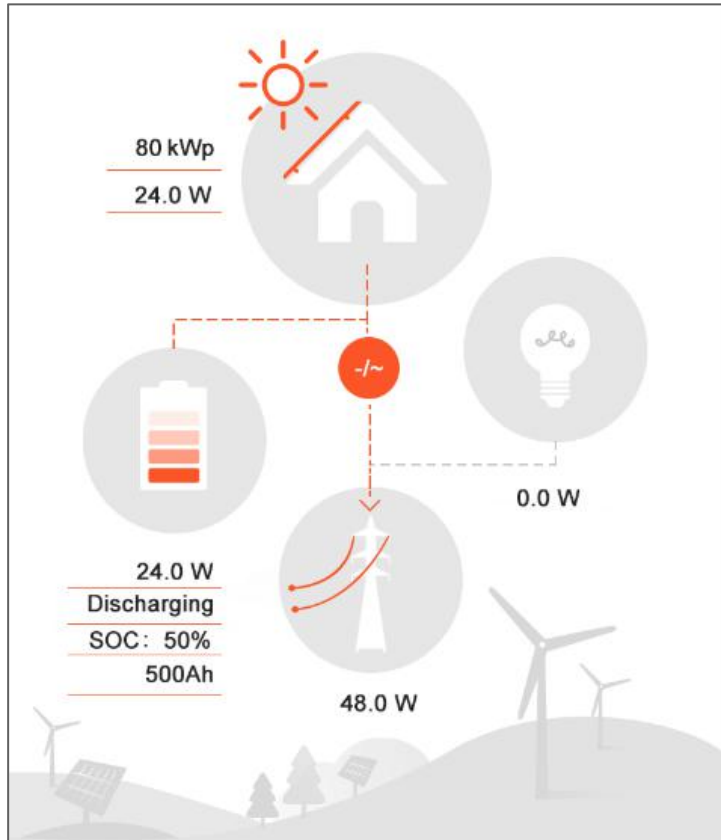
IOS/Android APP for end users.



- Easy to use
- Friendly interface
- Basic monitoring data



Monitoring graphics for SAJ storage products

Solar Production **22.80kWh**

80%

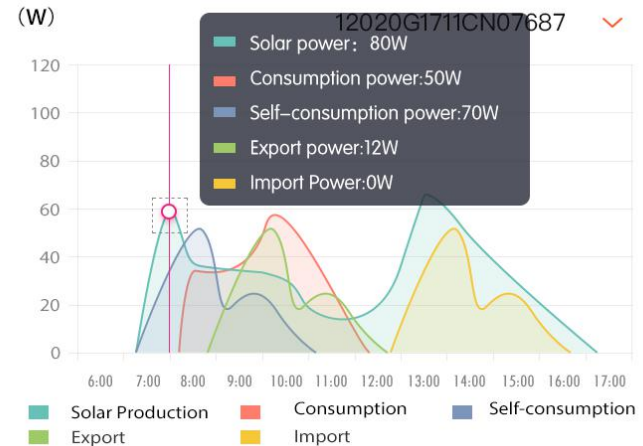
20%

1

Self-consumption
22.0kWhExport
22.0kWhConsumption **22.80kWh**

80%

20%

Self-consumption
22.0kWhImport
22.0kWh

THANK YOU