



Company Profile

Solar for
everybody

About Solplanet



Solplanet is a brand of AISWEI, which is formerly known as SMA's Chinese subsidiary and has successfully been manufacturing high-quality and reliable products for renowned brands like SMA and Zegersolar.

Today, AISWEI is a leading R&D and manufacturing company focusing on clean energy and delivers a broad portfolio of photovoltaic inverter products, hybrid inverter products, EV charger and smart energy management system. Headquartered in Shanghai, China, with three R&D centers, one manufacturing base, and offices in Asia, Europe, South America, Africa, and Oceania, AISWEI and Solplanet serve customers in many countries and regions across the globe.



Our vision



At Solplanet, a single principle drives everything that we do — solar for everybody.

With Solplanet, you get innovative solar products that are easy-to-install, highly reliable, extremely user-friendly and supported by our award-winning customer service. From single-phase inverters for residential use, to three-phase high-performance inverters for commercial and industrial situations, and even EV chargers, Solplanet's product line contains simple-to-use products that can help to bring more sun into any home or business.



Our mission

Our team of leaders and professionals have extensive background from market leading multi-nationals, largely from Tier-1 international companies such as Siemens Wind, SMA Solar, Huawei and Eaton etc. We are experts in international teamwork.

When you partner with us, you get the best of two worlds: Solid process know-how coupled with the agility of a new generation.



Facts & Figures

Top 12

in Global Inverter Shipments
by Wood Mackenzie

+40

international sites - Asia, Europe,
Africa, South America, Oceania

Top 500

a Top 500 Global New Energy Enterprise
(2022) by the China Institute of Energy
Economics, an institute supported by the
National Energy Administration of PRC

+200

intellectual property rights

+200

R&D engineers

EUPD

Awards for customer satisfaction

+230

active suppliers

10GW

annual production capacity

40,000

SQM of factory land

0.8 - 1 Million

inverter production capacity
per year

ISO

quality standards

2021

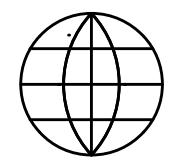
Red Dot
Award winner



reddot winner 2021

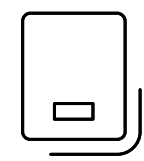


Global business development



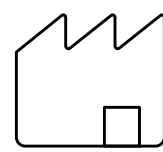
Headquarters

Shanghai



R&D Centers

Suzhou
Shanghai
Xi'an



Manufacturing Center

Yangzhong



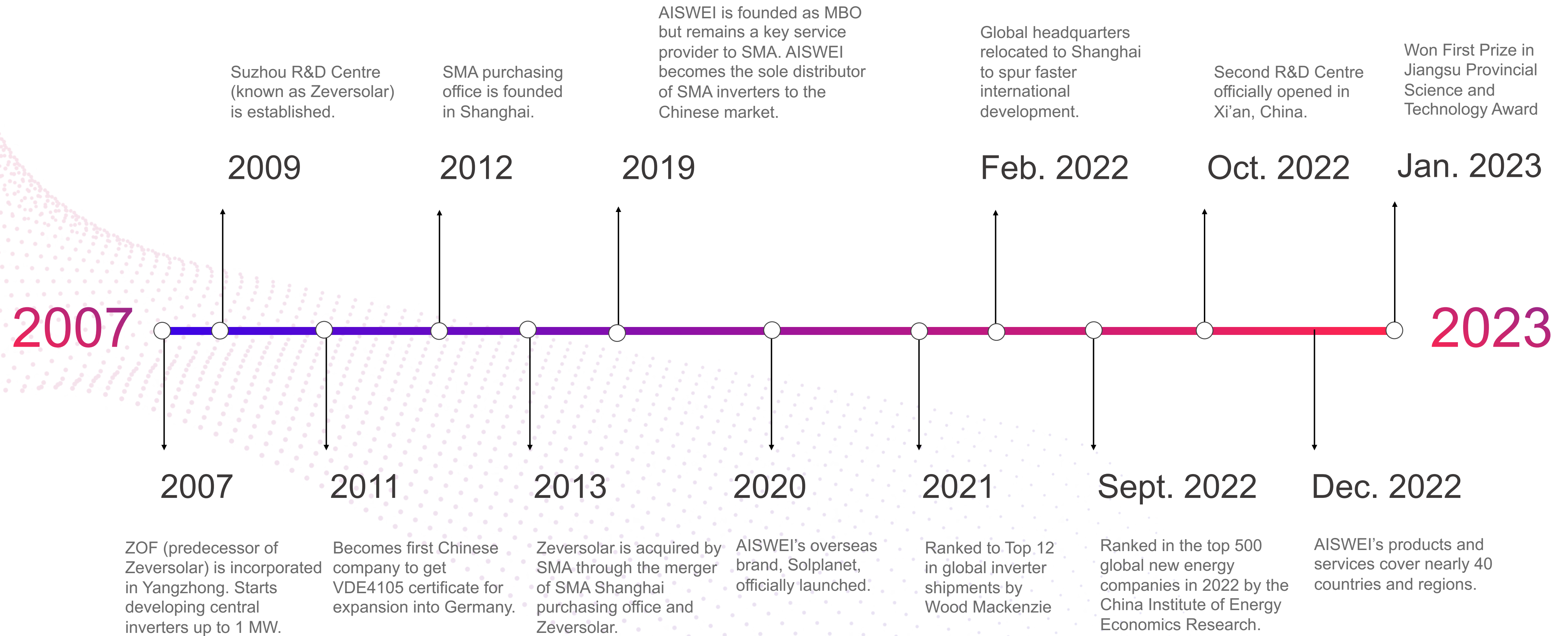
Global Sales & Service Centres

- | | | | | |
|----------------|-----------|-------------|-------------|----------------------|
| Australia | Denmark | Ireland | New Zealand | South Africa |
| Belgium | Estonia | Italy | Norway | South Korea |
| Brazil | Finland | Jordan | Pakistan | Spain |
| Bulgaria | Germany | Lebanon | Poland | Sweden |
| Chile | Greece | Lithuania | Portugal | Türkiye |
| Croatia | Guatemala | Luxembourg | Romania | United Kingdom |
| Cyprus | Hungary | Malaysia | Slovakia | United Arab Emirates |
| Czech Republic | India | Netherlands | Slovenia | Vietnam |



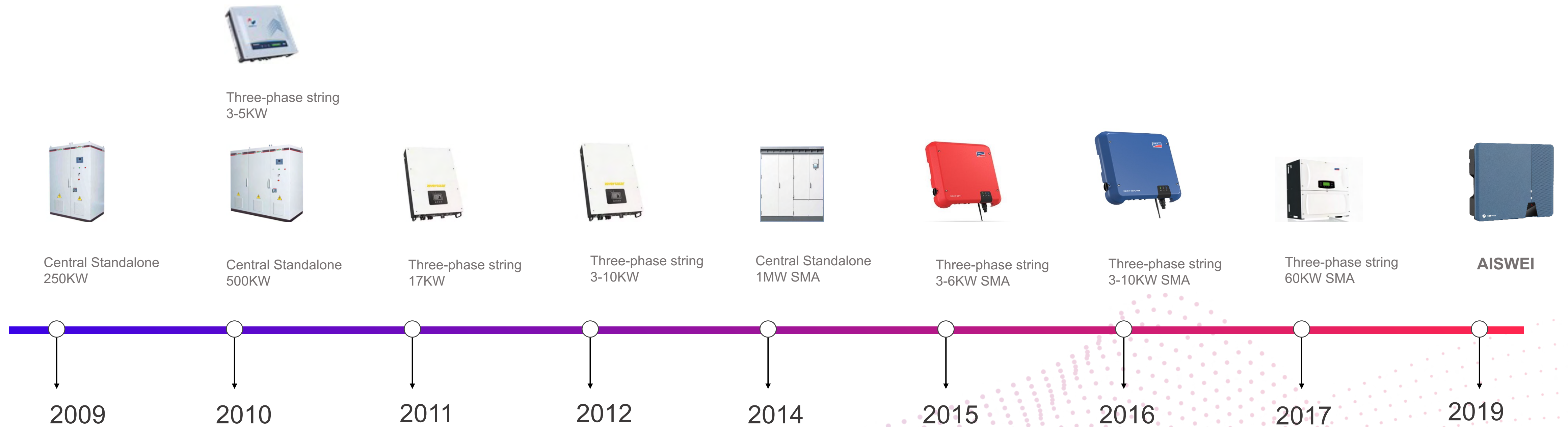
Note: Not all countries and regions are marked on the map above

Development history



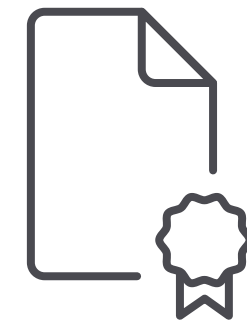
Innovative
technologies

Well Over a Decade of Expertise in PV Research & Development



Leading technologies drive our R&D

- Three R&D centres - Suzhou, Shanghai and Xi'an
- SMA's background gives us a strong R&D capability



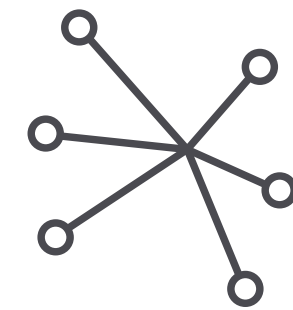
We have a high patent density and many core patents. We're trusted to help guide industry standards.

+200

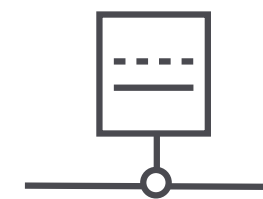
intellectual property rights

70

core inventions patents



Leading control platform created through vast experience



Control platform advantages

Simplified structure and strong computing capability help to increase power generation and grid friendliness.



High-frequency control technology

Improve charging efficiency, and reduce filter size and radiator weight.

Internationally Accredited Laboratory

Our laboratory is endorsed by several international certification agencies.

It is also a contributor to national and international standards in the solar industry. As an example, it was selected to draft the “Standards for Certification of Household Roof Solar Systems” for the China Quality Certification Centre.



Precisely Right.



Solid partnerships with industry giants



Solplanet's holding company, AISWEI, has partnered with industry leaders like SMA, SIEMENS, LONGI, Chint, Trina Solar, Jolywood, Skyworth, SPIC, Jinko, JA Solar, TCL, Haier, TBEA, China Huaneng Group, and C&D Clean Energy. Solplanet has become the core supplier for all of these well-respected companies.

High recognition from the industry

- Ranked in the Top 12 for Global Inverter Shipments in 2022 by Wood Mackenzie
- TUV PV Inverter for Residential User AQM Award
- Ranked a Top 500 Global New Energy Enterprise by the China Institute of Energy Economics
- 2021 Red Dot Winner 2021 for product design
- Our PV inverters are manufactured in compliance with international standards and our extensive compliance testing and regulatory certifications allow AISWEI's inverters to be installed globally



Advanced manufacturing

Brand new manufacturing centre in China



10GW

annual
production capacity

Our annual production capacity is 10GW. In 2023, it will increase dramatically after the construction of a new, intelligent manufacturing plant. Our customers benefit from our growing production capacity combined with our extensive manufacturing experience with EU-based, first-tier quality leaders.

- Integrated MES ensures full transparency
- 100% ATE and ageing tests
- 100% incoming material inspection
- Regular self-audits, strict document controls, application of 8D and Lean methods
- Full observance of HSE and ESD
- A closely managed forecasting process ensures fast delivery capabilities
- Access to motivated and flexible employees

Comprehensive testing & validation



We offer a comprehensive variety of design validation and testing services to support all of your design needs

- Temperature and humidity tests
- Shock and vibration tests
- EMC compliance tests
- Long-term field tests under real-life international grid conditions
- Water/dust resistance testing
- Reliability tests include high-temperature full loading 1000 hrs, on/off at full loading 1000 cycles, long-term salt fog endurance tests, thermal shock 1300 cycles, high humidity endurance, mechanical stress tests, fan blocked, and overloading

Modern warehousing



100,000 m²

Our warehouse spans over 100,000 square meters. It is fully equipped with three-dimensional storage space so that we can intelligently position products and materials to better serve all of our customers worldwide.

Global service



Convenient Service

- Nearly 30 service spots and spare parts warehouse worldwide to ensure timely service
- Automated RMA processes with replacements arriving to end customer

Efficient Service

- 7×24-hour hotline to provide service support with international numbers, offered in local languages.
- Response to end customer needs within 2 hours, and provide on-site support within 12 hours

High-quality Technical Support

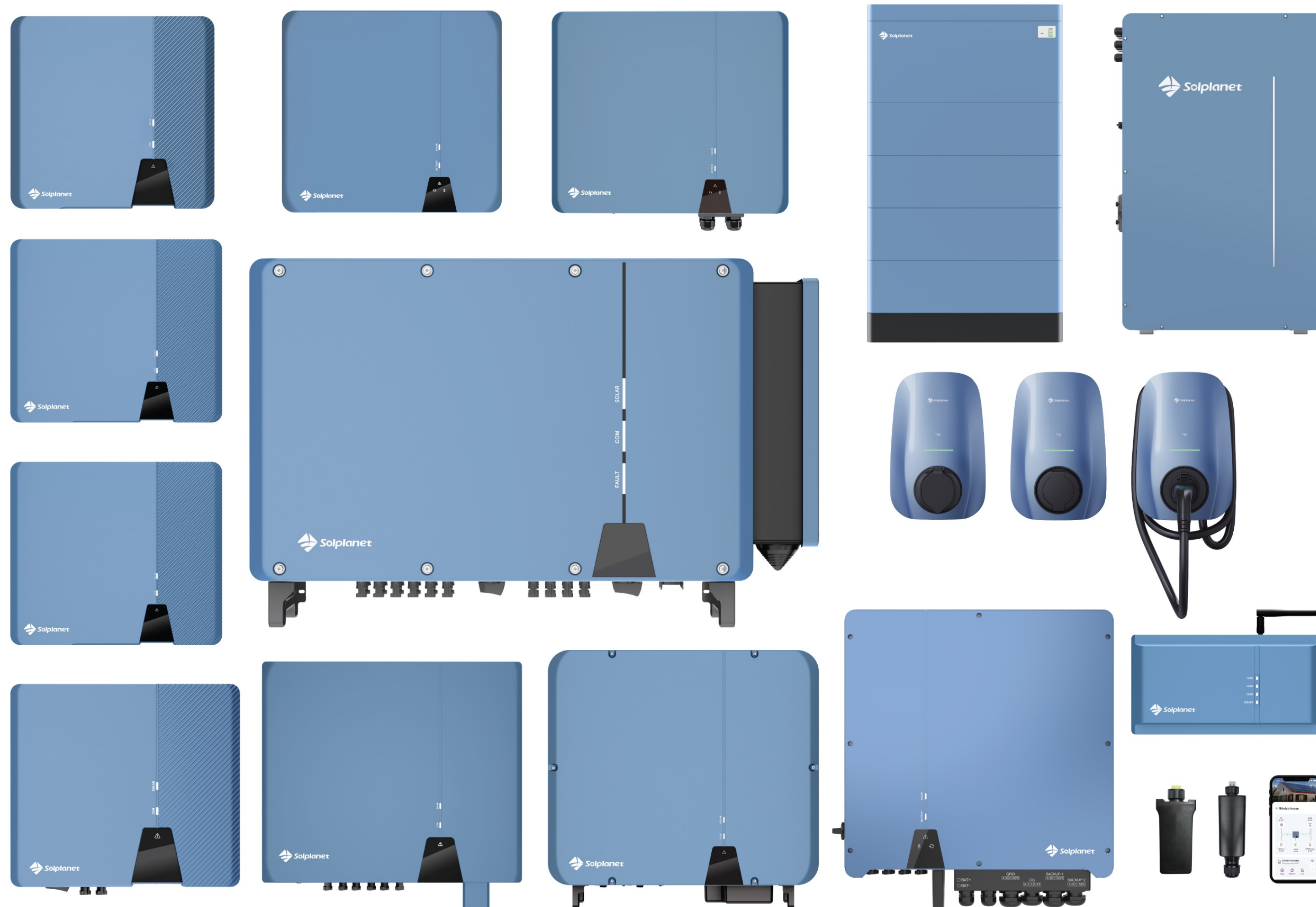
- A well-skilled and experienced technical support team to provide professional solutions

Digital-based support

- A strong data base with comprehensive project information to offer high-quality service.

Product Portfolio

Extensive product portfolio



- Single-phase inverters
- Three-phase inverters
- Hybrid inverters
- Low-voltage and high-voltage batteries
- Smart EV Chargers
- Communication and data monitoring products

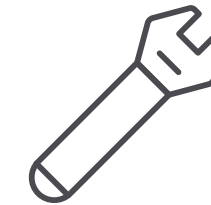


Single-phase string inverters

ASW S-G2 SERIES

1 kW to 2.5 kW

Easy-to-install



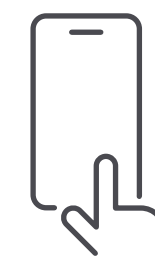
- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design

Reliable



- International quality standards
- Integrated DC switch
- IP66 rated design for outdoor use

User-friendly



- 16 A input current, compatible with bifacial and large area PV modules
- Optional AC Power Supply
- ShadeSol shadow management
- Support anti-backflow function

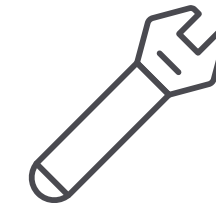


Single-phase string inverters

ASW S-G2 SERIES

3 kW to 6 kW

Easy-to-install



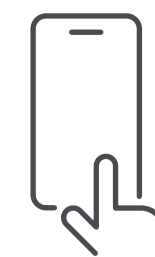
- Quick & easy-to-install with basic tools
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Reliable



- International quality standards
- Integrated DC switch
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User-friendly



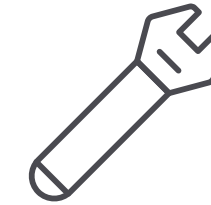
- 16 A input current, compatible with bifacial and large area PV modules
- Optional AC Power Supply
- ShadeSol shadow management
- Support anti-backflow function
- 2 MPPT's for flexible PV array design



Single-phase string inverters

ASW S SERIES
6 kW to 10 kW

Easy-to-install



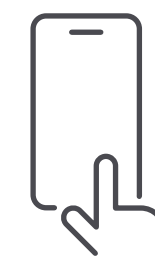
- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design

Reliable



- International quality standards
- Integrated DC switch
- IP66 rated design for outdoor use

User-friendly



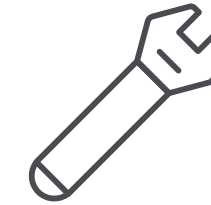
- 16 A input current, compatible with bifacial and large area PV modules
- Online monitoring via Wi-Fi and Solplanet apps
- 3 MPPT's for flexible PV array design
- ShadeSol shadow management



Three-phase string inverters

ASW LT-G2 Pro SERIES
3 kW to 20 kW

Easy-to-install



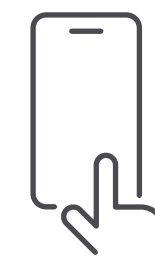
- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design

Reliable



- International quality standards
- 150 % PV array oversizing for higher yields
- IP66 rated design for outdoor use

User-friendly



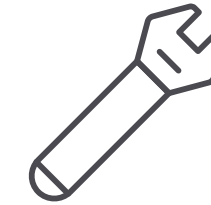
- User-friendly app interface
- Maximum 20A input current for bifacial and large-area PV modules
- Wide MPP voltage range of 150-1000V
- ShadeSol shadow management



Three-phase string inverters

ASW LT-G2 SERIES
8 kW to 20 kW

Easy-to-install



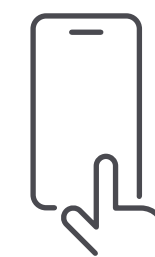
- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design

Reliable



- International quality standards
- 150% PV array oversizing for higher yields
- IP66 rated design for outdoor use

User-friendly



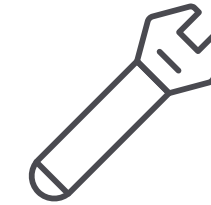
- User friendly app interface
- 13 A input current, ideal for bifacial and large area PV modules
- Wide MPP voltage range 150V-1000V
- ShadeSol shadow management



Three-phase string inverters

ASW LT-G3 SERIES
25 kW to 40 kW

Easy-to-install



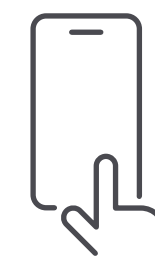
- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design

Reliable



- International quality standards
- 150% PV array oversizing for higher yields
- IP66 rated design for outdoor use

User-friendly



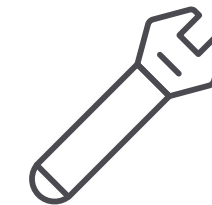
- 20A input current for bifacial and large area PV modules
- 3 MPPT's for flexible PV array design
- Wide MPP voltage range of 180-1000V
- ShadeSol shadow management



Three-phase string inverters

ASW LT-G2 Pro SERIES
40 kW to 50 kW

Easy-to-install



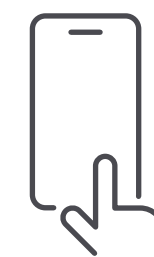
- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design

Reliable



- International quality standards
- 150% PV array oversizing for higher yields
- IP66 rated design for outdoor use

User-friendly



- 16 A input current, ideal for bifacial and large area PV modules
- 5 MPPT's for flexible PV array design
- Wide MPP voltage range 200V-1000V
- ShadeSol shadow management

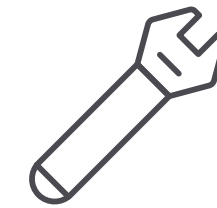


Three-phase string inverters

ASW 45K-60K-LT G3 SERIES
45 kW to 60 kW



Easy-to-install



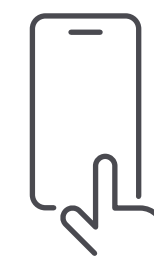
- Phoenix Contact connectors for reliable tool-free DC connection
- Compact wall mount design
- Fuse-free design thereby reducing BOS cost
- Setup, commissioning and monitoring via the Solplanet app

Higher Yields



- 150 % PV array oversizing for higher yields
- Up to 5 MPPT's for flexible PV array design
- Max. 20 A input current per string, ideal for bifacial and large area PV modules
- ShadeSol - improved generation under non-ideal conditions

Reliable & Safe



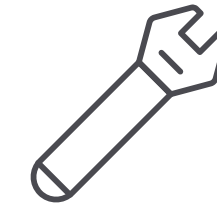
- Type II AC & DC Surge Protection
- Integrated DC switches
- IP66 rated design for outdoor use



Three-phase string inverters

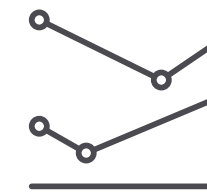
ASW LT SERIES
75 kW to 110 kW

Safe and Reliable



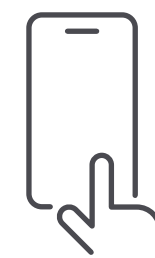
- TYPE II Surge Protection for DC&AC
- IP66 rated design for outdoor use
- Fuse free design

Higher Yields



- ShadeSol shadow management
- 32A input current each MPPT, ideal for bifacial and large area PV modules
- 10 MPPT's for flexible PV array design for higher yields

User-friendly



- Support 7*24H monitoring
- Quick setup and commissioning with Solplanet Apps
- String-level Management

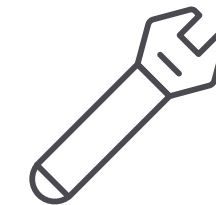


Single-phase hybrid inverters

ASW H-S2 SERIES

3 kW to 6 kW

Easy-to-install



- Quick & easy-to-install with basic tools
- Quick setup and commissioning with Solplanet apps
- Compact wall mount design

Reliable



- Smart energy management
- UPS capability - power during blackouts
- IP66 rated design for outdoor use

User-friendly



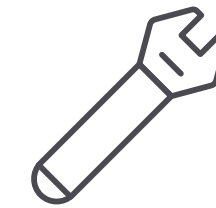
- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- ShadeSol shadow management



Three-phase hybrid inverters

ASW H-T1 SERIES
8 kW to 12 kW

Easy-to-install



- Quick setup and commissioning with Solplanet apps
- Compact wall mount design

Reliable



- Smart energy management
- UPS capability for power during blackouts
- IP65-rated design for outdoor use

User-friendly



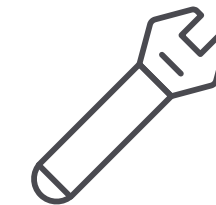
- User friendly app interface
- Online monitoring via Wi-Fi and Solplanet apps
- Support unbalanced output

Three-phase hybrid inverters

ASW H-T2 SERIES
5 kW to 12 kW



Easy-to-install



- Quick & easy-to-install with basic tools
- Compact wall mount design
- Simple battery and smart meter interfaces for faster installation

Reliable



- Up to 150 % PV array oversizing for higher yields
- 100 % unbalanced three phase AC output
- UPS level switching time < 10 ms
- IP66 rated design for outdoor use

User-friendly



- Setup, commissioning and monitoring via the Solplanet app
- Intelligent work modes and customizable battery management for DOD / Time of Use / Power setting
- Max. 20 A input current, ideal for bifacial and large PV modules

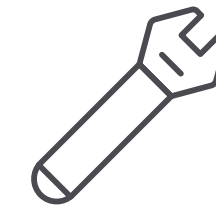


Three-phase hybrid inverters

ASW H-T3 SERIES
8 kW to 12 kW

NEW

Easy-to-install



- Quick & easy-to-install with basic tools
- Compact wall mount design
- Simple battery and smart meter interfaces for faster installation

Reliable



- Up to 150 % PV array oversizing for higher yields
- 100 % unbalanced three phase AC output
- UPS level switching time < 10 ms
- IP66 rated design for outdoor use

User-friendly



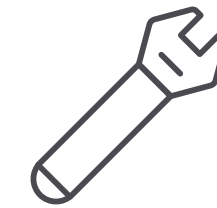
- 3 independent MPPT's for flexible and higher kWp PV array design
- Setup, commissioning and monitoring via the Solplanet app
- Intelligent work modes and customizable battery management for DOD / Time of Use / Power setting
- Max. 16 A input current, ideal for bifacial and large PV modules



Low Voltage Battery

Ai-LB 5 kWh / 10 kWh

Safety



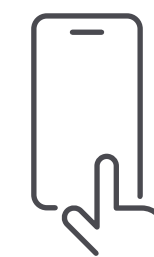
- LFP safe technology
- All-around BMS protection

Reliable

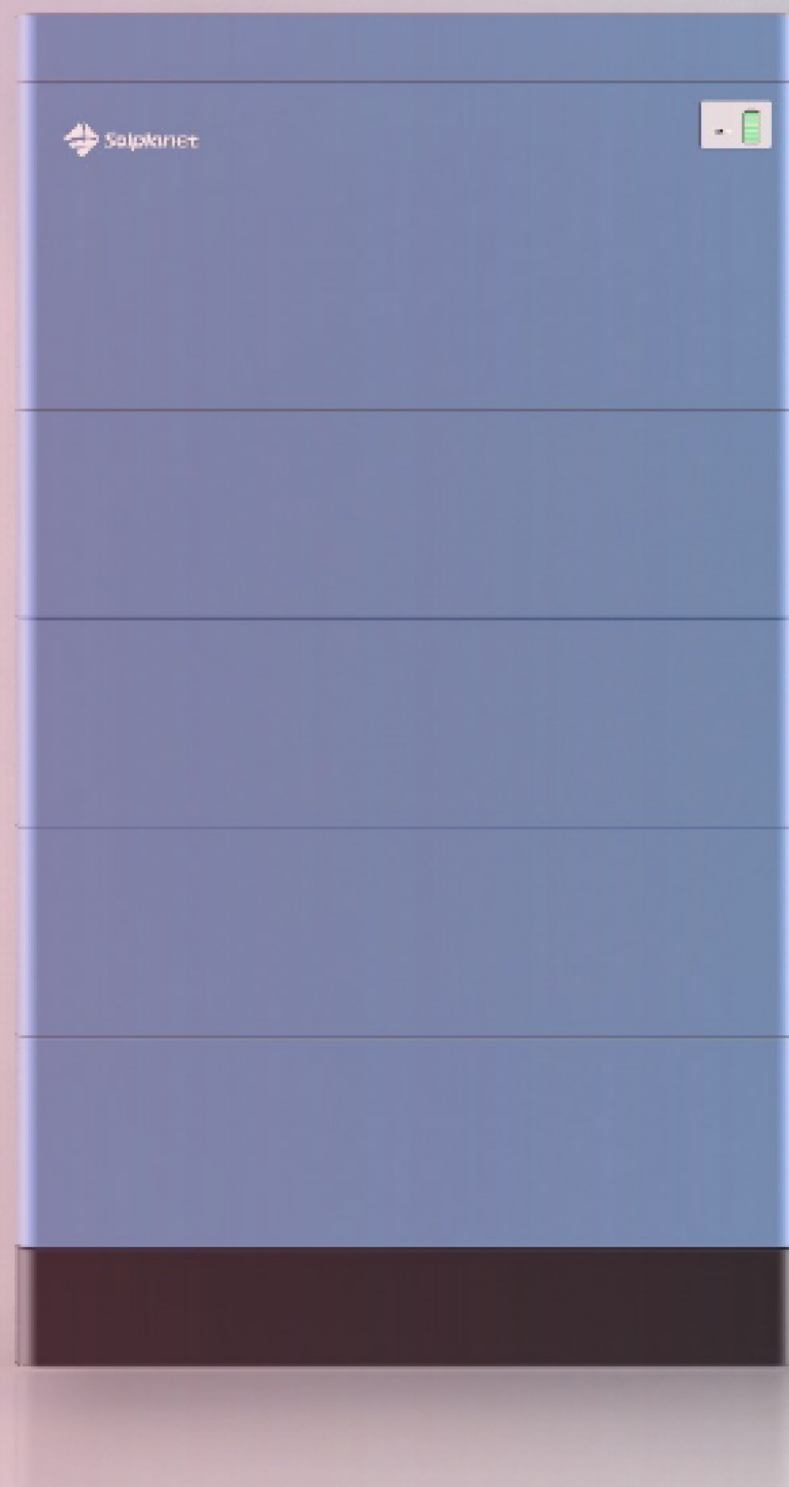


- IP65 rated design for outdoor use
- High quality cell inside

User-friendly

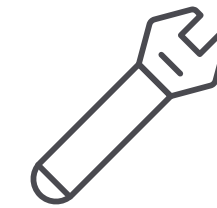


- Supporting Multi-use applications
- Online monitoring via Solplanet apps



High Voltage Battery

Ai-HB 7.5 kWh to 25 kWh



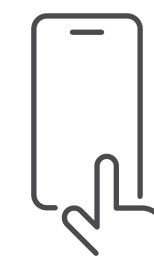
Safety

- LFP safe technology
- All-round BMS protection
- Modular design with simple cable connections



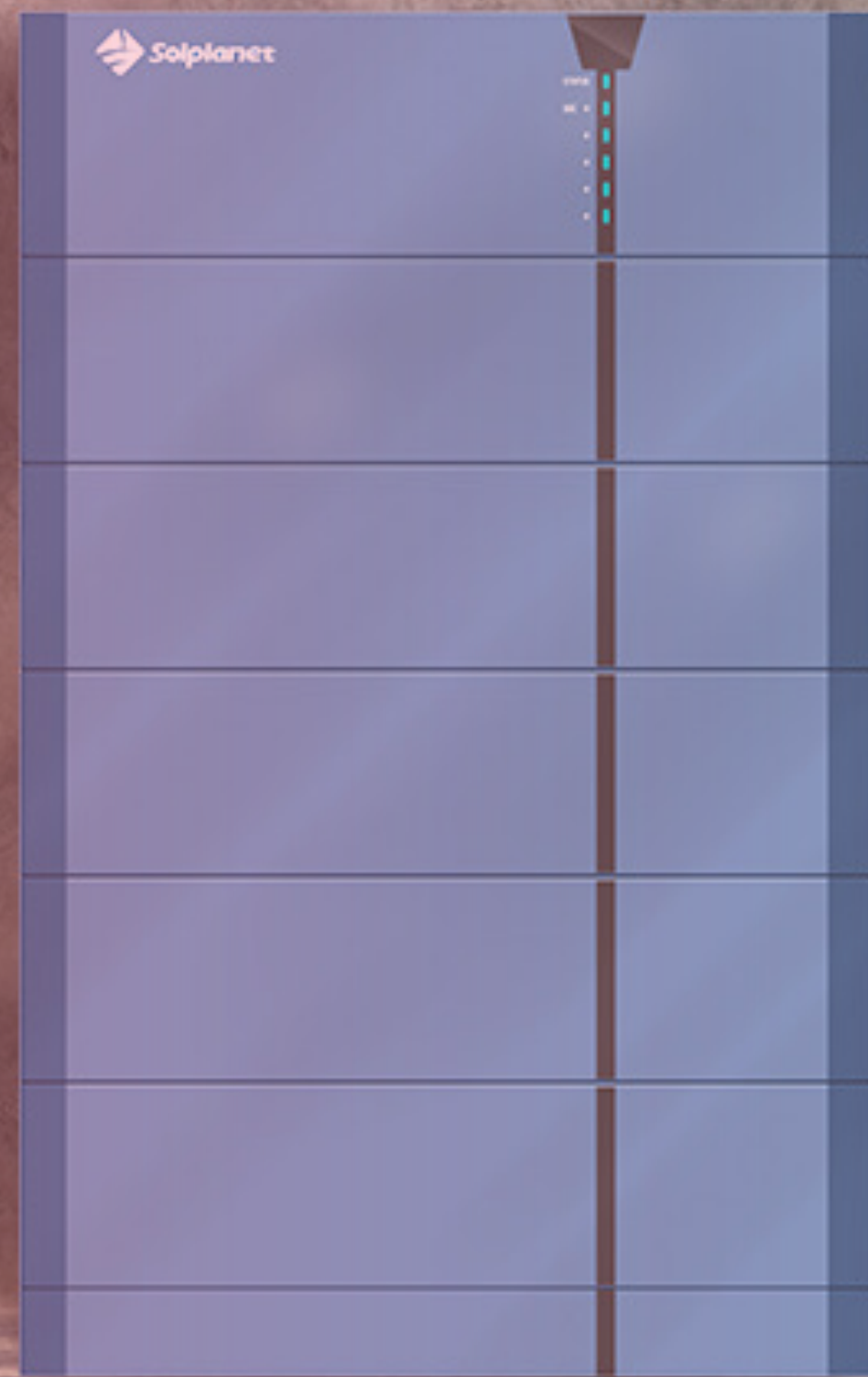
Reliable

- IP65 rated design
- High quality cell inside



User-friendly

- Expandable up to 25.6 kWh (10 modules)
- Multi-use applications: self-consumption, peak shaving, time of use tariffs
- Online monitoring via Solplanet apps

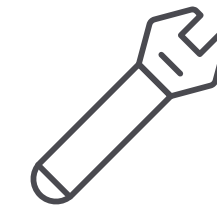


High Voltage Battery

Ai-HB G2 SERIES
7.5 kWh to 20 kWh



Safety



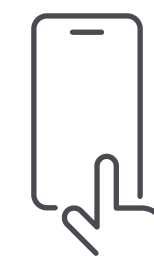
- Modular design with plug-in connections
- Quick connections between battery and inverter
- Quick & easy-to-install with basic tools
- Steady and anti-dumping design

Reliable



- IP65 rated design
- Cell-level monitoring
- LFP safe technology
- All-round BMS protection

User-friendly



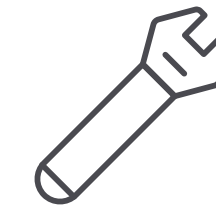
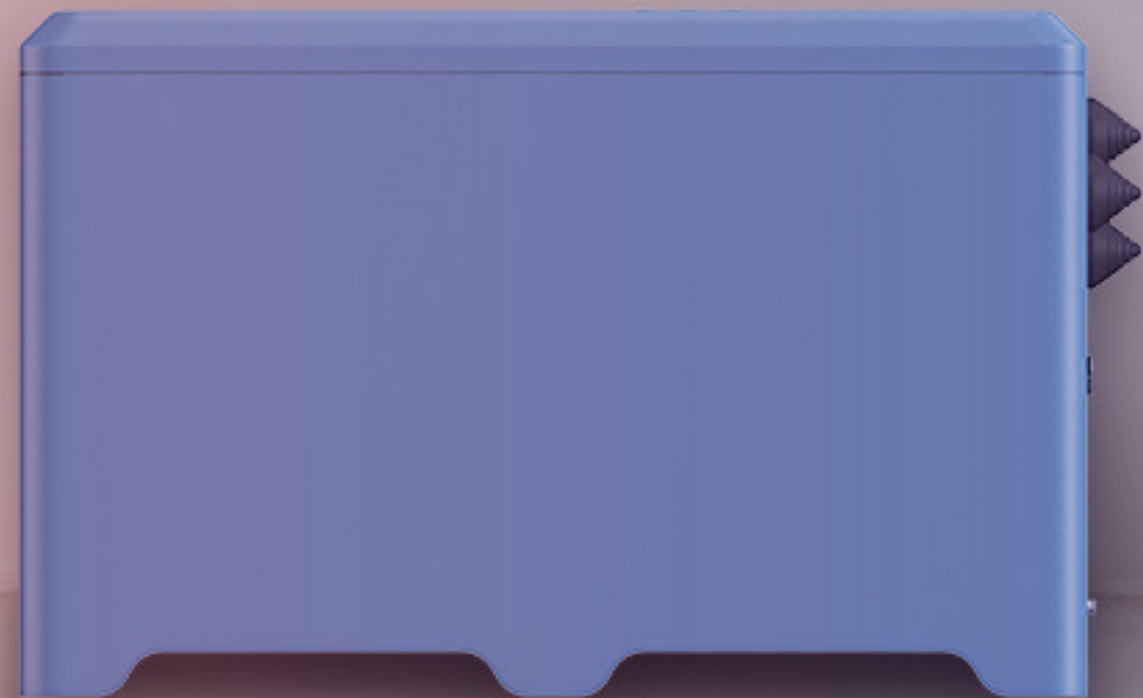
- Stackable and Expandable up to 81.92 kWh(supporting 8 modules per unit, 4 units in parallel)
- Multi-use applications: self-consumption, peak shaving, time of use tariffs
- Online monitoring via Solplanet apps



All-in-one hybrid storage system



ASW A-S SERIES
400W to 1000W , 1.3 kWh to 2.4 kWh



Easy-to-install

- Easy to install for everybody
- Power into any single-phase socket
- Power from all same-phase sockets



Safe & Reliable

- Safe & Reliable low voltage system
- 5 years warranty + option for more years
- All-around protection with Battery Management System(BMS)

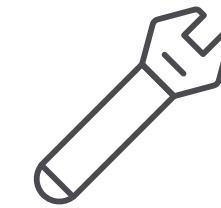


User-friendly

- User-friendly LCD display for settings & status
- Mobile App for remote setting & monitoring
- Low working temperature down to -15° C

Smart EV Chargers

SOL APOLLO Series
7.4 kW/11 kW/22 kW



Easy-to-install

- Compact, lightweight and wall mountable
- Easy-to-install with standard tools
- Toolless plug in terminal blocks
- Quick set-up via APP
- Cable entry on the front or rear of the housing



Reliable

- IP65 enclosure suitable for outdoor use
- IK10 protection rating
- Exterior & interior covers for multiple protection
- 3 years standard warranty



Smart & Eco-Friendly

- Intelligent Ai-charging App for remote control and monitoring
- Scheduled charging and off-peak charging modes
- Adjustable charging power (6A to 32A)
- Lock / unlock the charger via APP
- Solar charging under Solar PV & Eco Mode (opt.)
- Recyclable packaging



Connect & Monitor

Ai-Dongle 4G



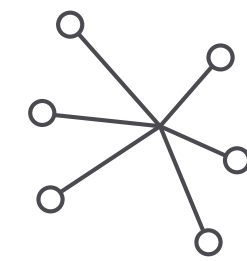
Reliable monitoring

- Solplanet's compact design (only 154 x 50 x 33 mm)
- Has a minimum of 7 days of secure data storage and automatically uploads all data once the connection is re-established
- Supports monitoring for up to 5 devices per stick
- IP 66 waterproof certification for outdoor use
- Operating temperature range -30° C to +70° C



Connect & Monitor

Ai-Logger 1000

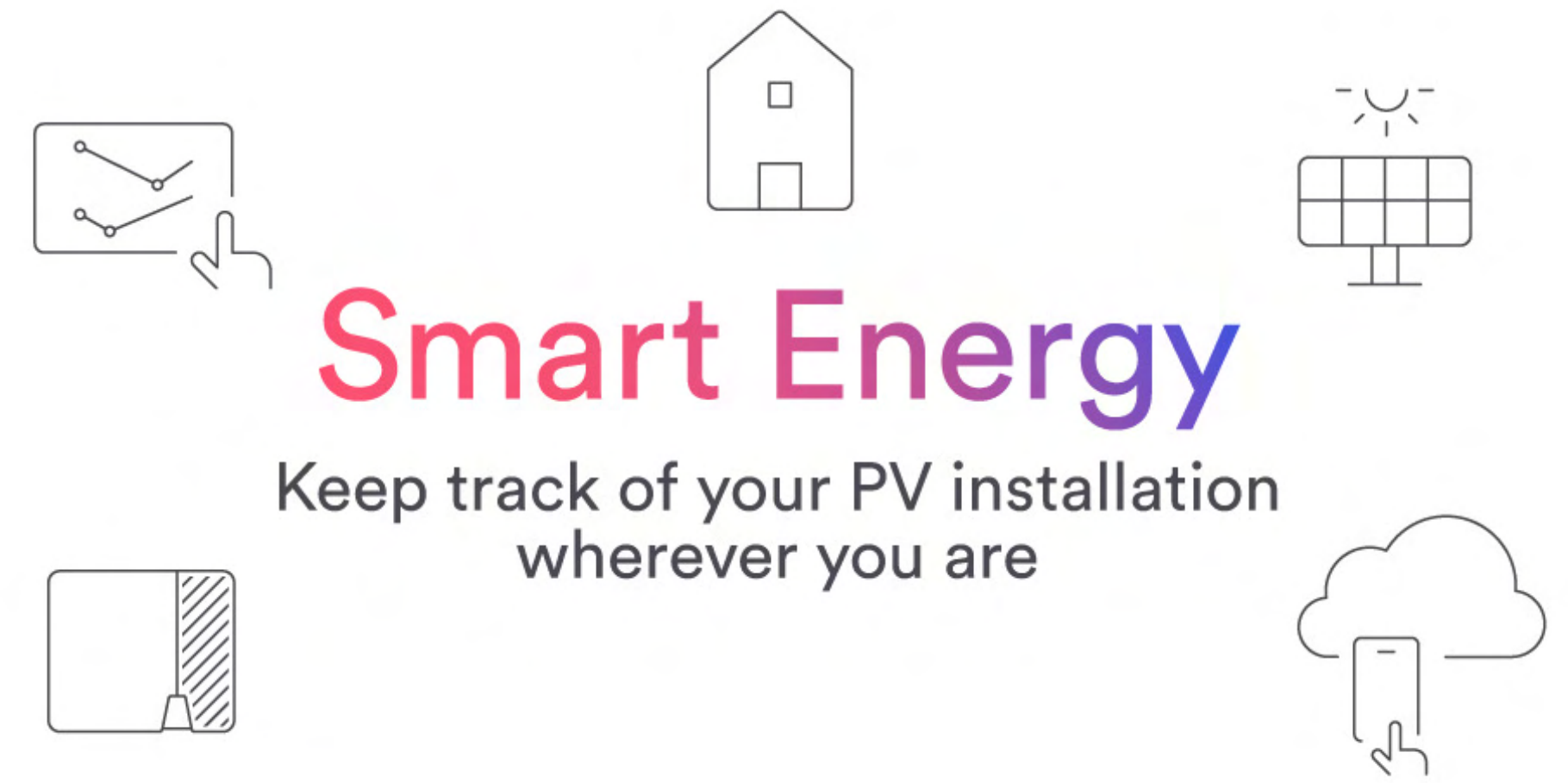


Large scale control

- Can manage up to 80 different devices simultaneously
- Smart controller with different energy management strategies
- Connect to the Solplanet Cloud for remote performance monitoring



Connect & Monitor



Smart Energy

Keep track of your PV installation wherever you are



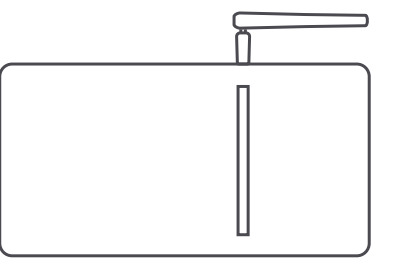
Wi-Fi Stick



Solplanet Cloud



Ai-Dongle



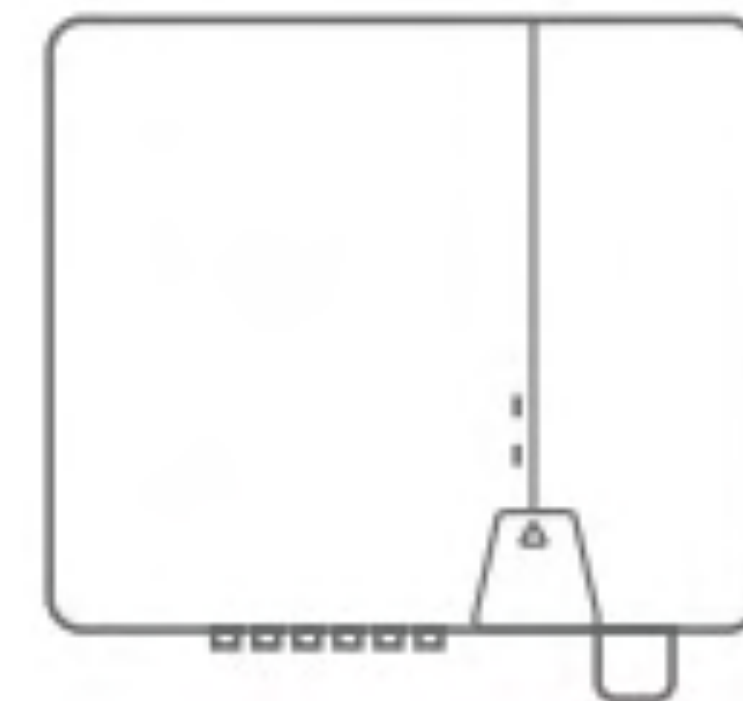
Ai-logger

Success cases



Commercial Project 240kWp

Germany
Agro-business project
2022



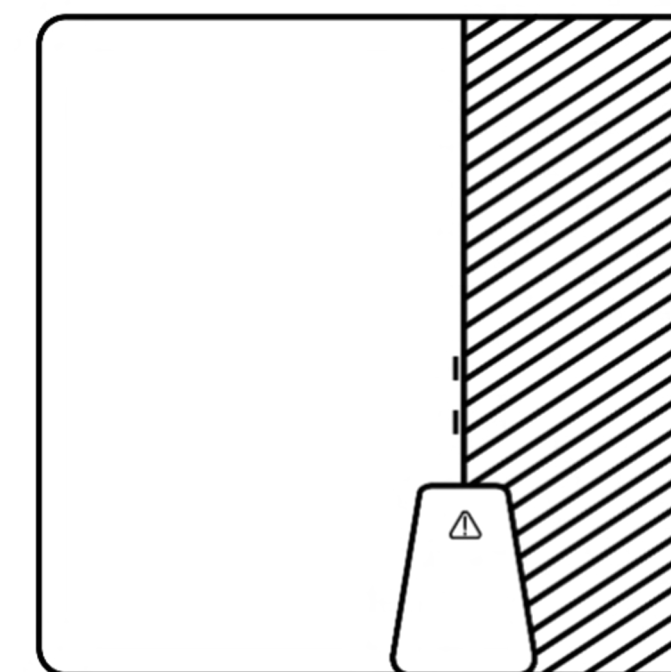
Model:
ASW40K-LT-G3



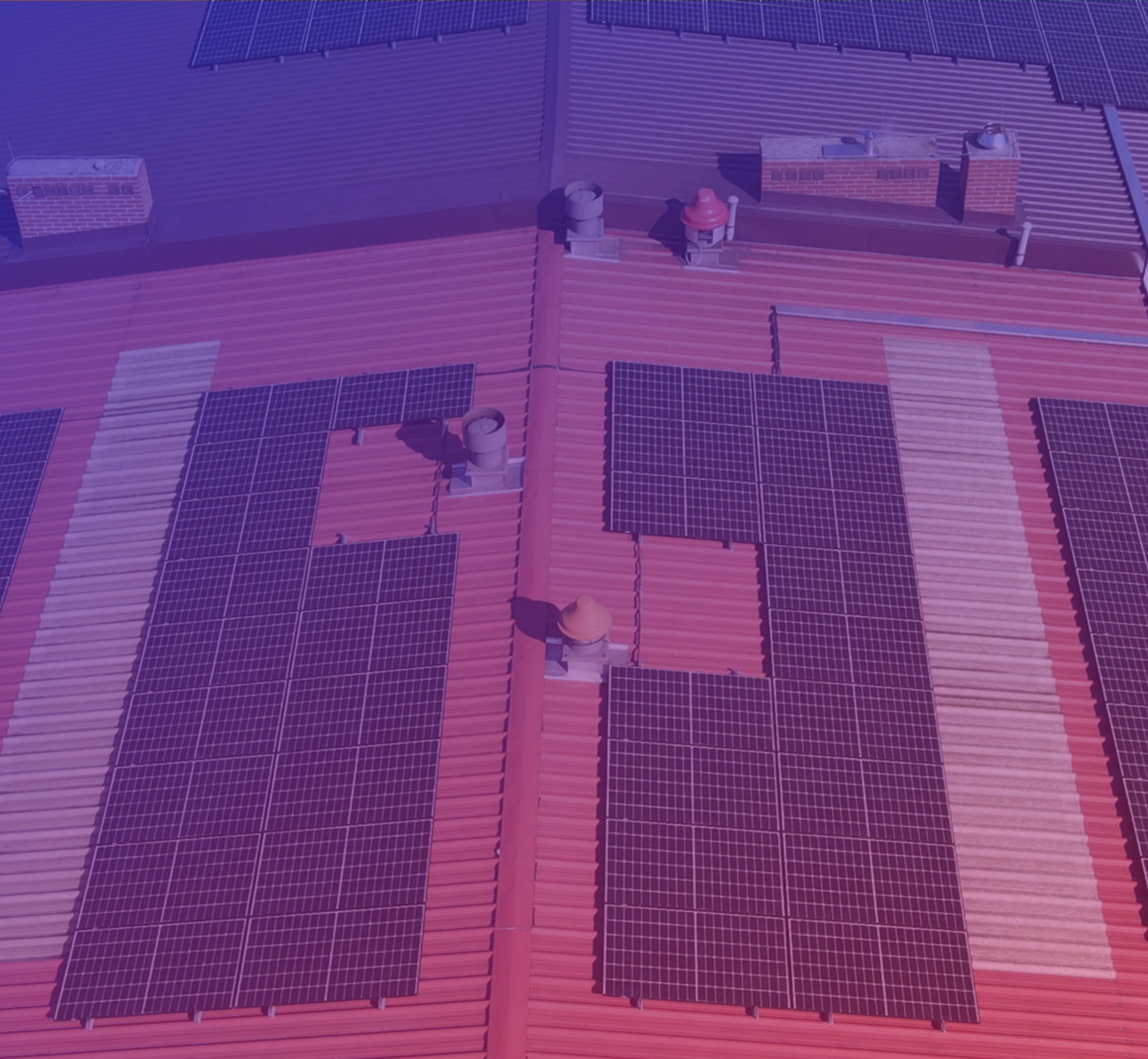
Commercial Project

19kWp

Estonia
Commercial roof project
2022



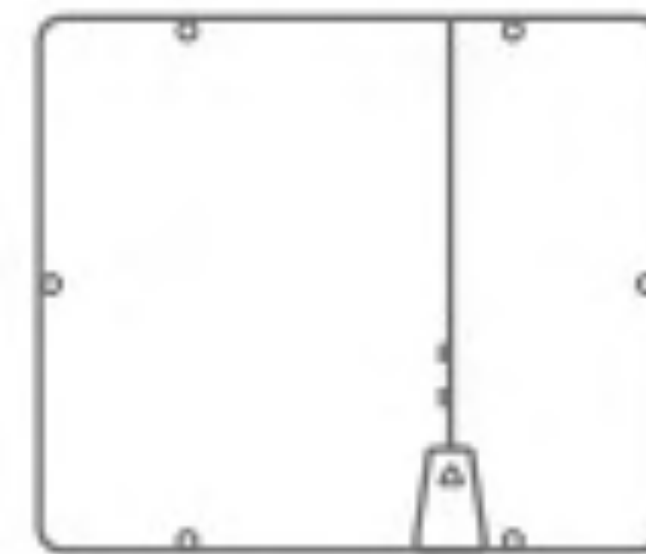
Model:
ASW15K-LT-G2



Commercial Project

4,995kWp

Poland
Factory roof project
2022



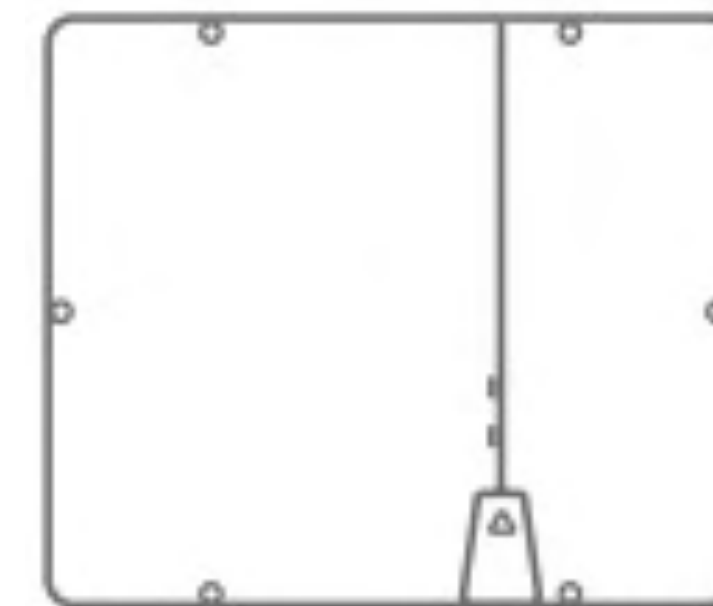
Model:
ASW50K-LT-G2



Commercial Project

100 kWp

Bulgaria
Agro-business project
2022



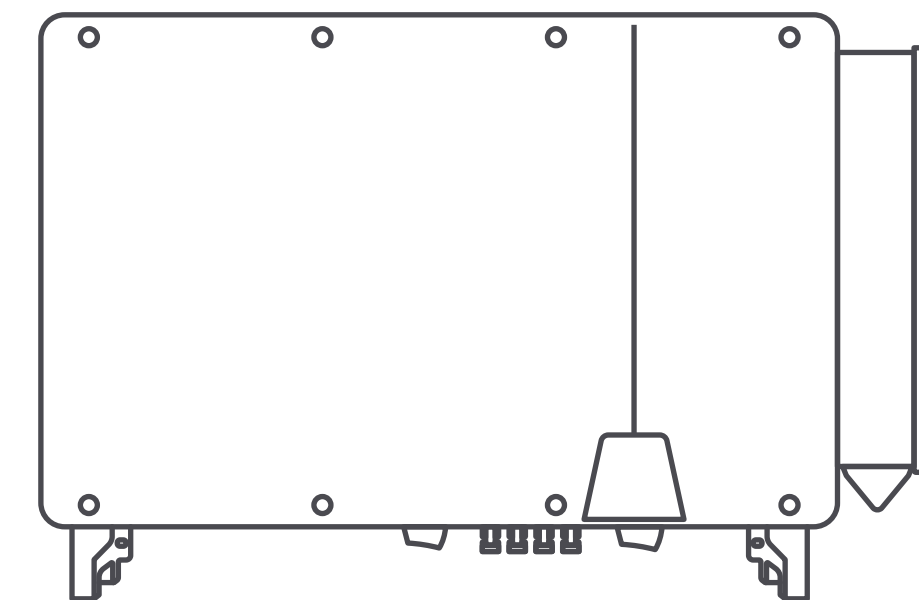
Model:
ASW50K-LT-G2



C&I Project

5.5 MW

Türkiye
Industrial facility roof project
2023



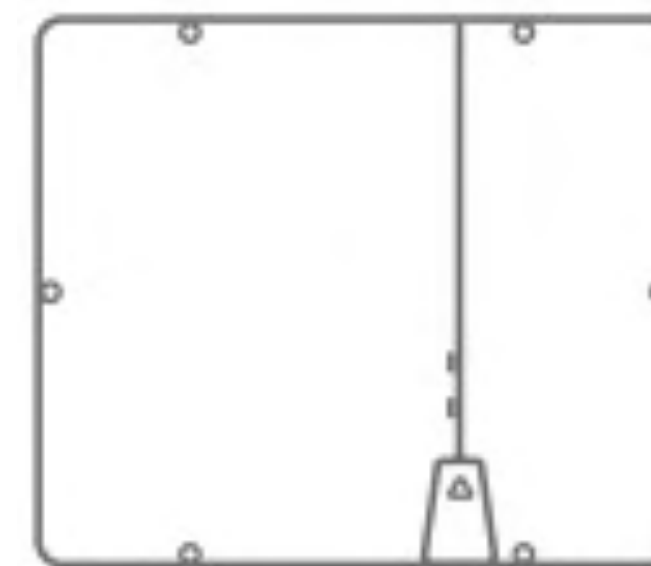
Model:
ASW110K-LT x 50



Commercial Project

35kWp

Middle East
Hospital commercial project
2022



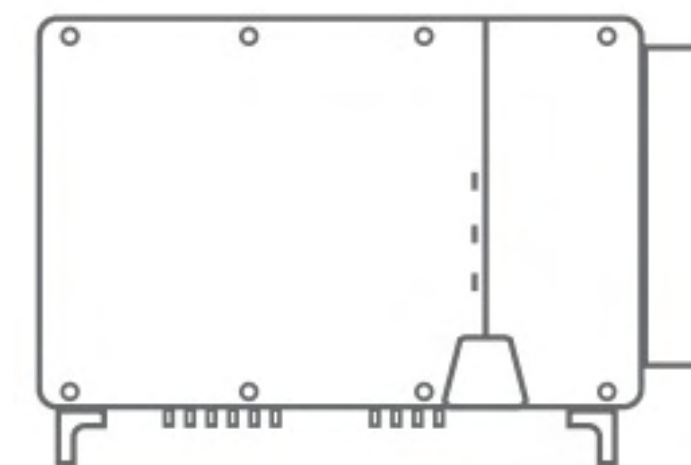
Model:
ASW50K-LT-G2



Commercial Project

1.44MW

China
Shanghai Tariff-free Industrial zone project
2023



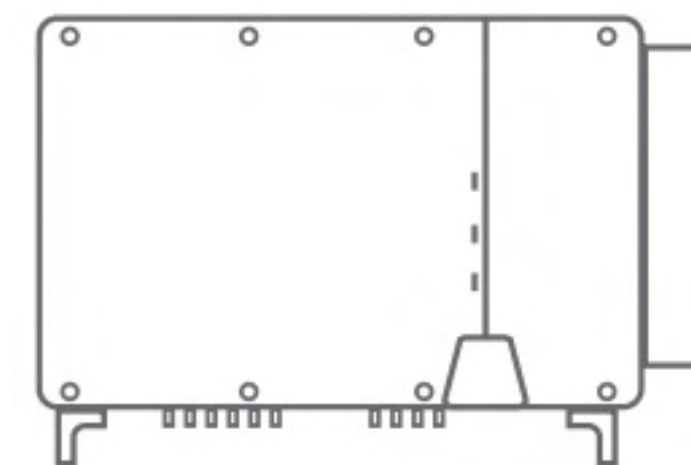
Model:
ASW110K-LT



Commercial Project

6.55MW

Türkiye
Sewage Treatment Plant project
2023



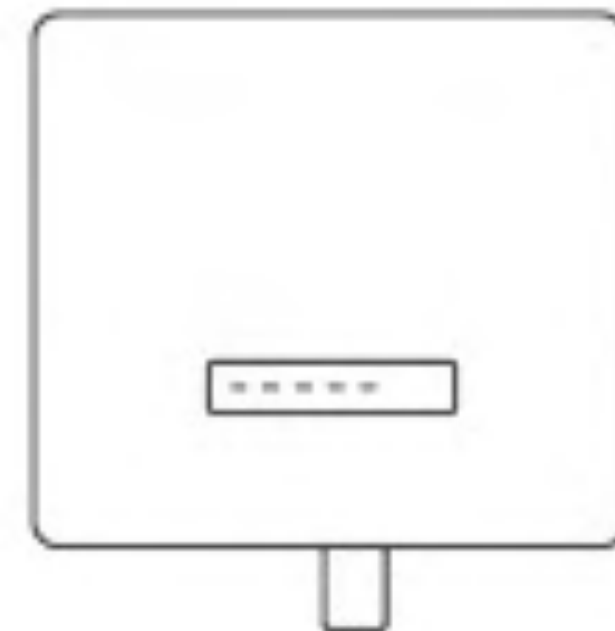
Model:
ASW100K-LT



Residential Project

450kWp

United Nation's
Residential Roof Project
2022



Model:
ASW10000-T



Residential Project

11.96 kWp

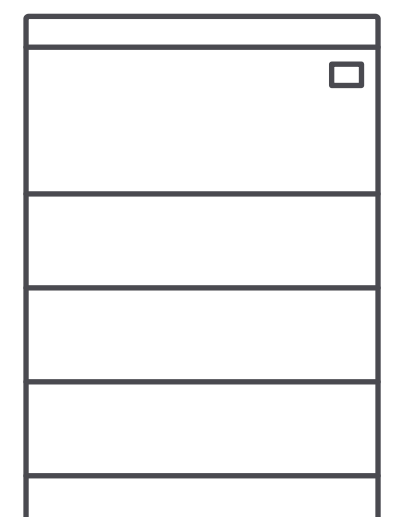
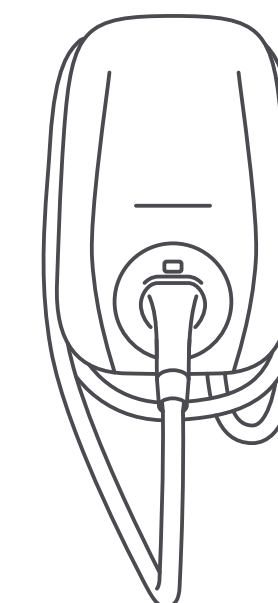
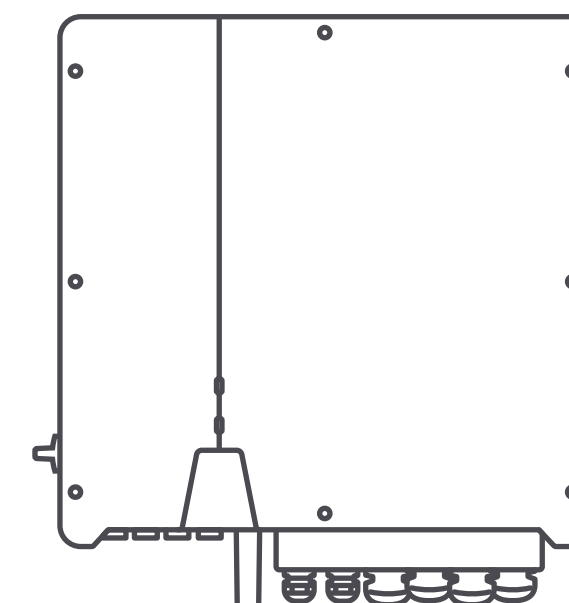
Poland
Residential integral solution
2023

Products:

ASW12K-HT1

SOL APOLLO 22H-WP1

Ai-HB battery (controller + 2.56LG modules x 3)





Residential Project

9.99kWp

Poland
Residential Roof Project
2022



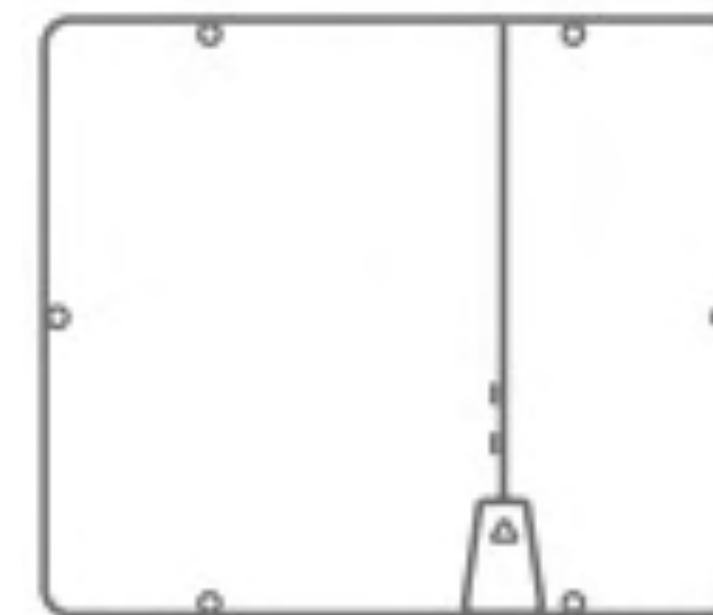
Model:
ASW10K-LT-G2



Residential Project

57.19kWp

Brazil
Residential Roof Project
2023



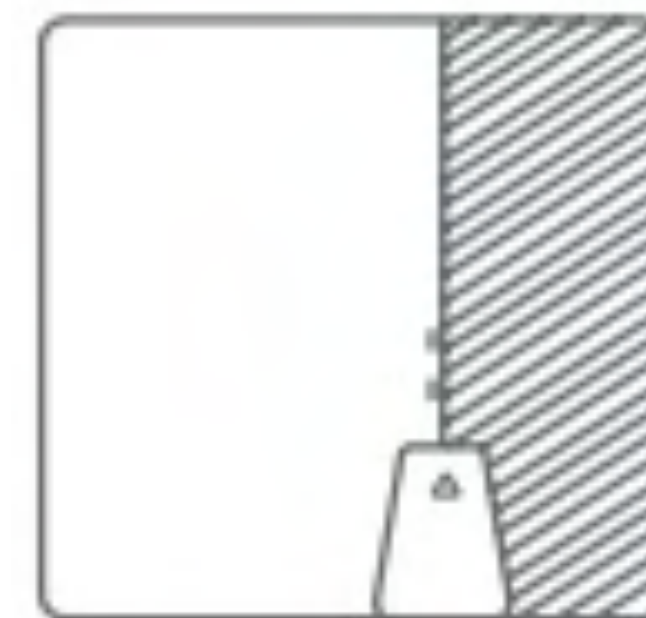
Model:
ASW 50K-LT



Residential Project

9.99 kWp

Brazil
Residential Roof Project
2022



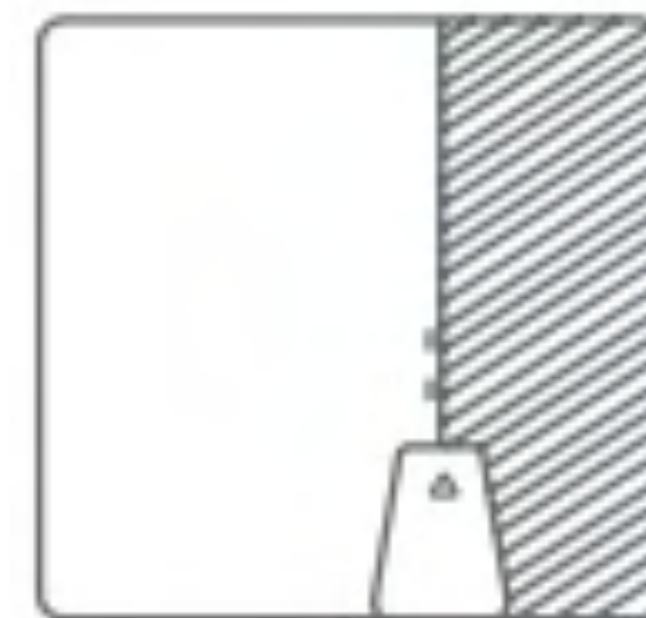
Model:
ASW15K-LT-G2 Pro



Residential Project

5.96kWp

Australia
Residential Roof Project
2022



Model:
ASW5000-S

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sales@solplanet.net



We are a brand of AISWEI
We bring solar for everybody

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