

# Austa Solar Company Introduction

NINGBO AUSTA SOLAR TECH CO.,LTD





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- 02 Austa Solutions Introduction
- 03 Austa Products Introduction
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- 05 Why Choose Austa



## CULTURE



### Mission

Let thousands of households share green light energy

### Vision

Global smart energy solution provider

### Values

Customer-centric, devotee-oriented continuous improvement, continuous innovation

# COMPANY HISTORY

**Osda**

**2009-2011**

OSDA established in Ningbo, China. Engaged in overseas trading of photovoltaic modules and complete the transformation of the integrated PV module R&D, production and sales enterprise.

**2011-2015**

Overseas offices in more than 10 countries and regions. Operating in nearly 100 countries and territories worldwide.

**2016-2017**

Awarded the honorary title of "A Class Enterprise in Comprehensive Evaluation of Industrial Enterprises "National High-tech Enterprise"

**2017-2019**

In 2017, start EPC business in China domestic.

In 2019, Ningbo Yuda Import & Export Co., Ltd. was established with the main business: R&D and sales of high-efficiency solar cells.

**2019-2022**

In 2019, company's headquarters production base were relocated capacity was expanded to 1GW.

In 2022, Production Base completed total production capacity of 10GW.

In 2022, OSDA was awarded as a national-level specialized and new "giant" enterprise.

**2023-2025**

2023, Jiaxing OSDA new energy production base 5GW modules, 3GWh energy storage start and will be finish in 2024.

In 2024, Yancheng OSDA new energy production base of 12GW TOPCon Cell.

In 2024, the second phase of the 5GW module production base of Shan Dong OSDA New Energy will be put into operation, reaching a total capacity of 10GW.

**2023-2024**

In 2023, the second generation of high-voltage inverter will be successfully developed and listed. Won the 12th Polaris Cup "Influential Optical Storage Integration Solution Enterprise" award.

In 2024, the new technology product of low-voltage lithium battery BMS system won the second prize of Ningbo Science and Technology Innovation Competition. AUSTA brand new upgrade

**austa**

**2020-2022**

In 2020, AUSTA solar tech established, start the inverter and battery R&D.

In 2021, the household energy storage system will be successfully developed and listed on the market.

In 2022, the second generation of high and low voltage batteries, balcony micro-reverse integration solutions were successfully developed and listed.

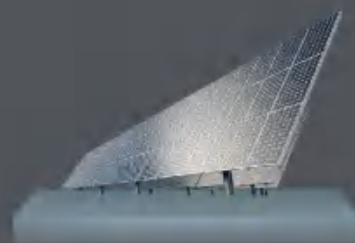
OSDA BUSINESS LAYOUT



Cells+PV modules  
R&D production and sales


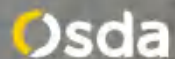


Energy storage inverter  
R&D production and sales



Optical Storage Distributed (Ground  
+ Industrial + Commercial + Household Power Plants,  
Wind Power Plants, Integrated Solutions)





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**Austa** is a high-tech enterprise under **OSDA** group who is the solar module manufacturer located in Ningbo, China.

**Austa** is committed to the research, development and production of solar inverter and battery storage package. We have cutting-edge R&D team, production capacity and continuous innovation, committed to providing customers with onestop optical storage services.

100+

CUSTOMER COUNTRY

10+

BRANCHES AND  
A REPRESENTATIVE OFFICES

4

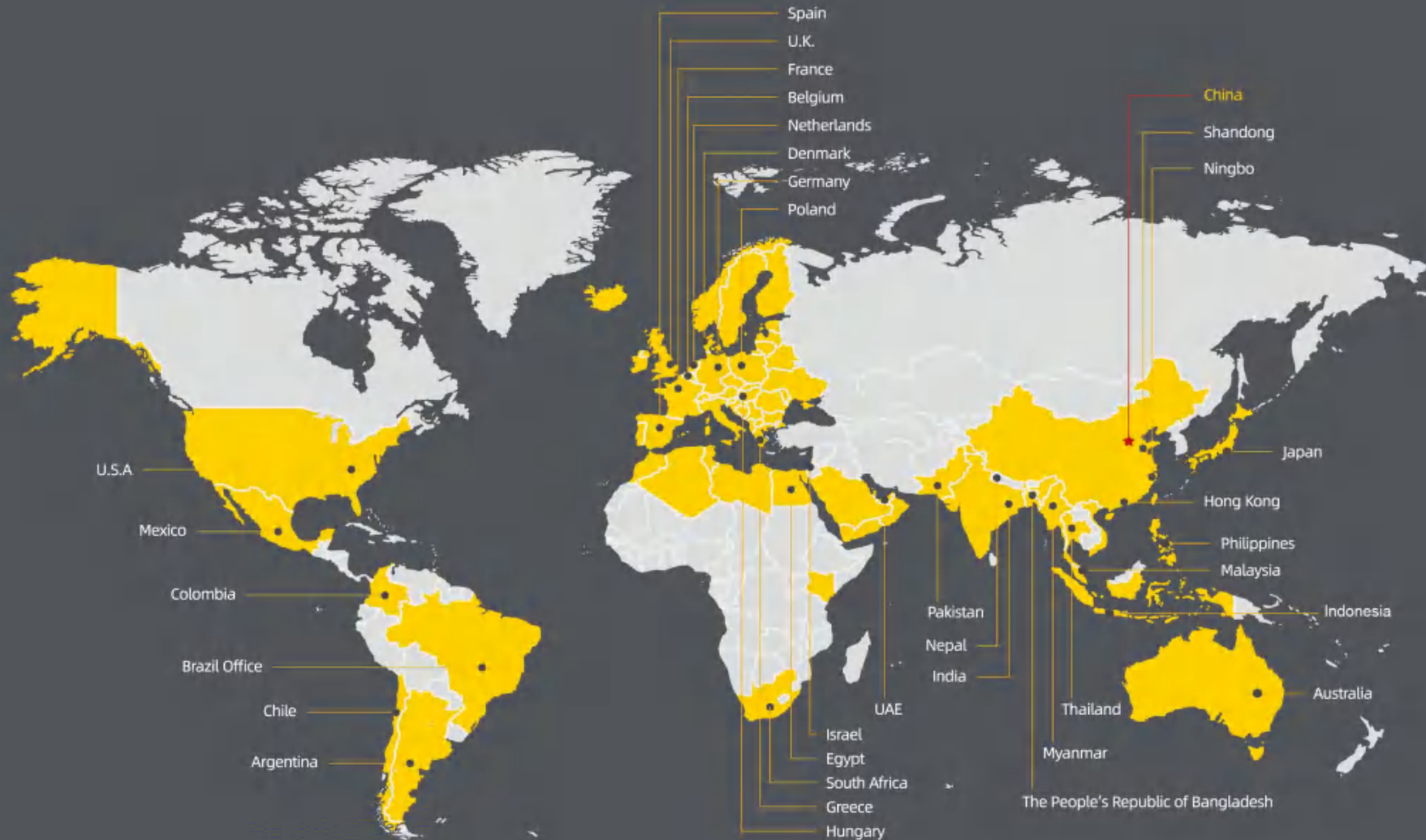
PRODUCTION SITES

2

R&D CENTERS



# OVERSEAS OFFICES/WAREHOUSING



## OFFICES

Bangladesh Office  
Thailand Office  
Uzbekistan Office  
Pakistan Office  
India Office

Netherlands Office  
Poland Office  
Germany Office  
Romania Office

Brazil Office

## WAREHOUSING

Netherlands  
Nigeria  
Slovenia



# AUSTA ONE STOP SYSTEM SOLUTIONS



One Brand Provides All Products

One Brand Provides Multi-scenario Solutions

One Brand Provides Unified After-sales



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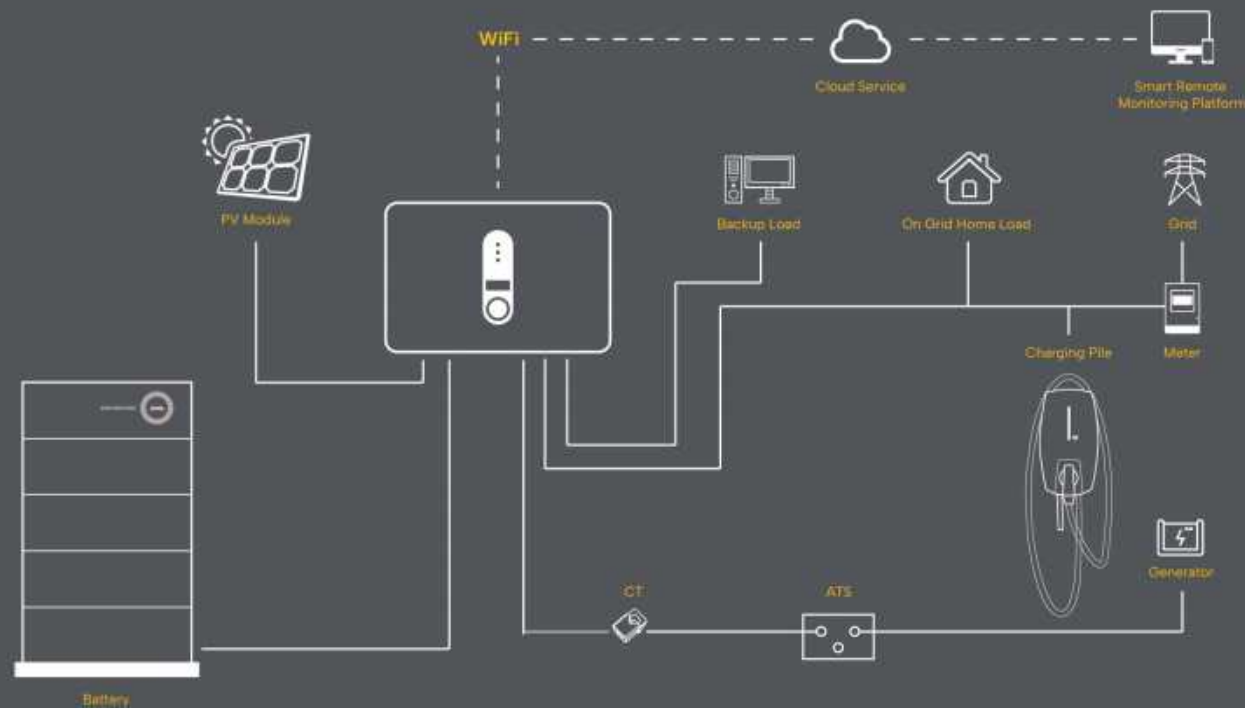
**RESIDENTIAL**  
SOLUTIONS

**C&I**  
SOLUTIONS

# RESIDENTIAL PV STORAGE AND CHARGING INTEGRATED SOLUTIONS



austa<sup>®</sup>



## FEATURES OF THE OPERATING MODE

Feeder into the grid

Self-consumption

Peak shaving

Support for parallel operation

I&M operation

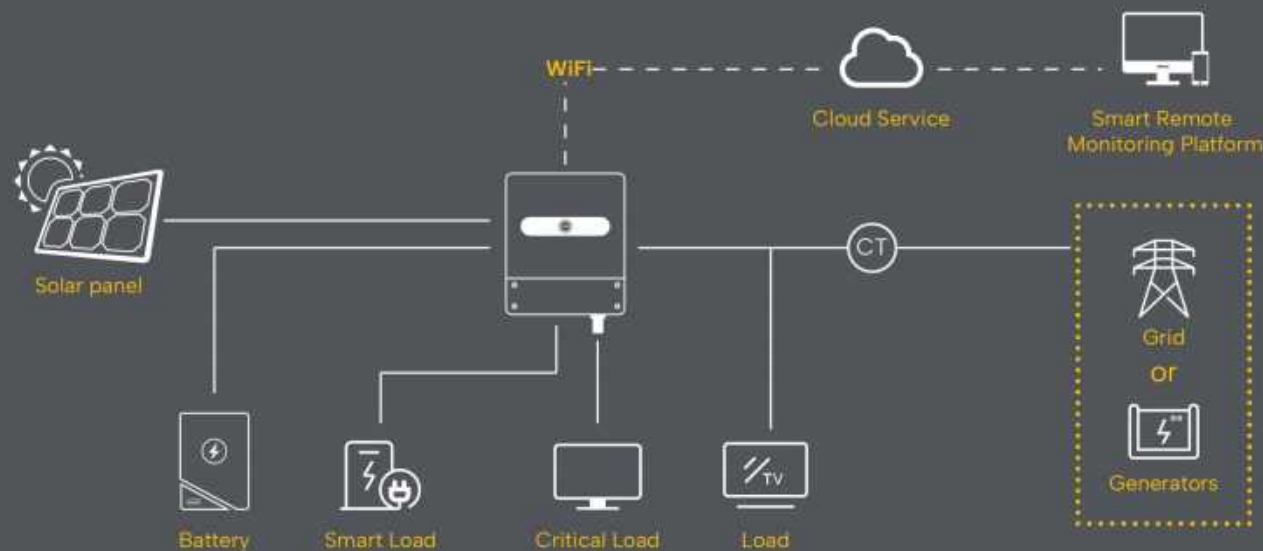
Off-grid switching



# RESIDENTIAL PV STORAGE INTEGRATED SOLUTIONS



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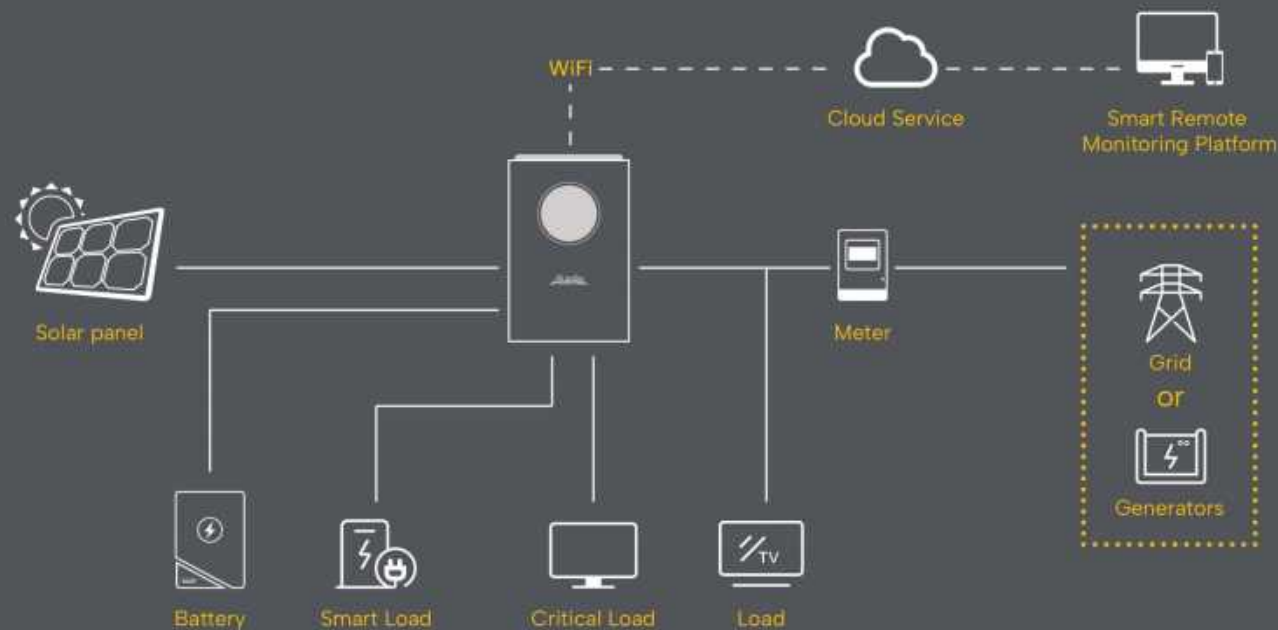
Off-grid switching

Dual backup output

# OFF GRID SYSTEM INTEGRATED SOLUTIONS



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## FEATURES OF THE OPERATING MODE

Self-consumption

High reliability

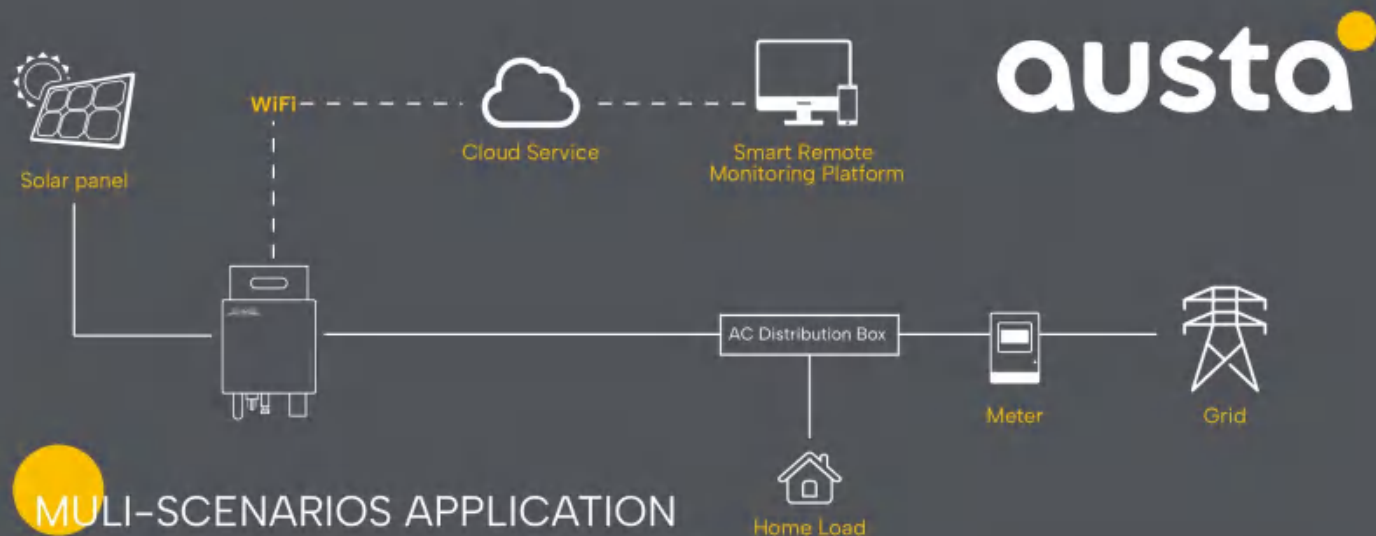
Support for parallel operation

Auto adjustable

Wide range of applications

# MICROINVERTER SYSTEM SOLUTIONS

Plug and Play, Easy to Install



## MULTI-SCENARIOS APPLICATION



Floor Stand



Balcony Mounting



Wall Mounting

## FEATURES OF THE OPERATING MODE

Matching multiple connection methods  
(lightweight solar panels; flexible solar panels; conventional solar panels)

Built-in wifi monitoring module, remote monitoring

I&M operation

Supports parallel operation

Anti-power control function  
(Optional)



# MICROINVERTER SYSTEM SOLUTIONS

300-2000W Set



austa<sup>®</sup>

Full Black Solar Panels Set

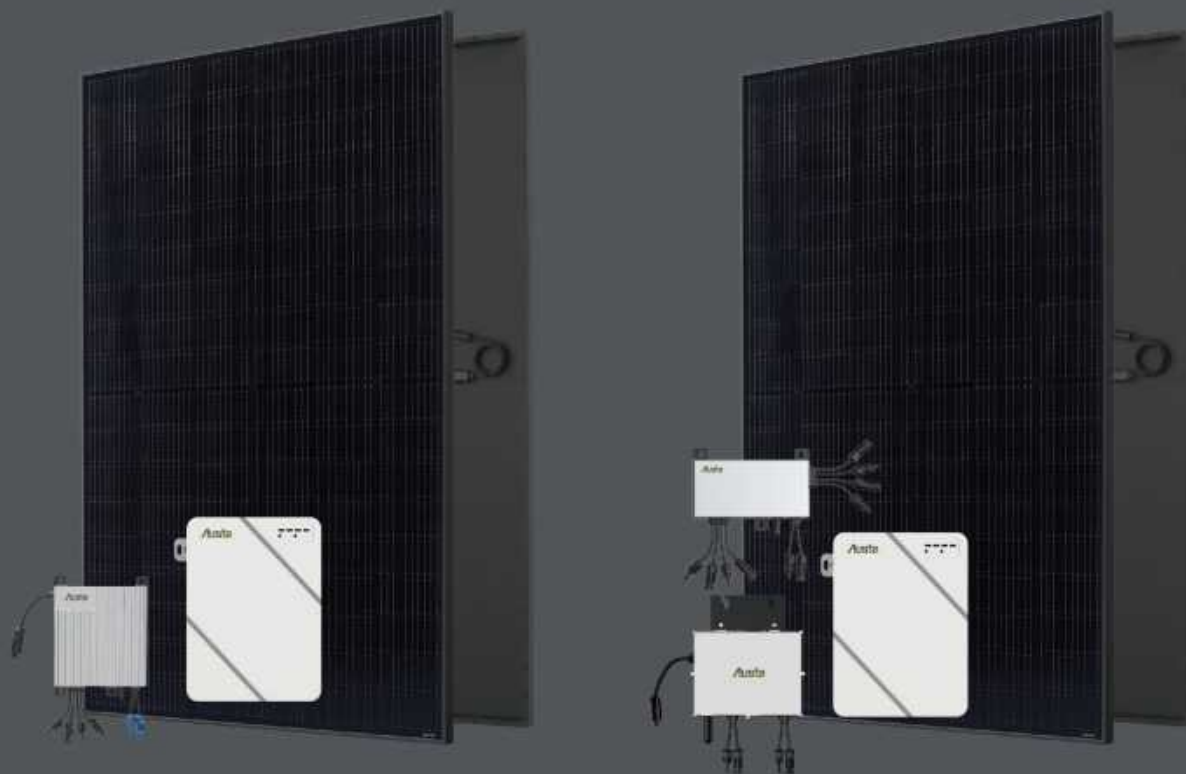
Flexible Solar Panels Set

Mini Solar Panels Set



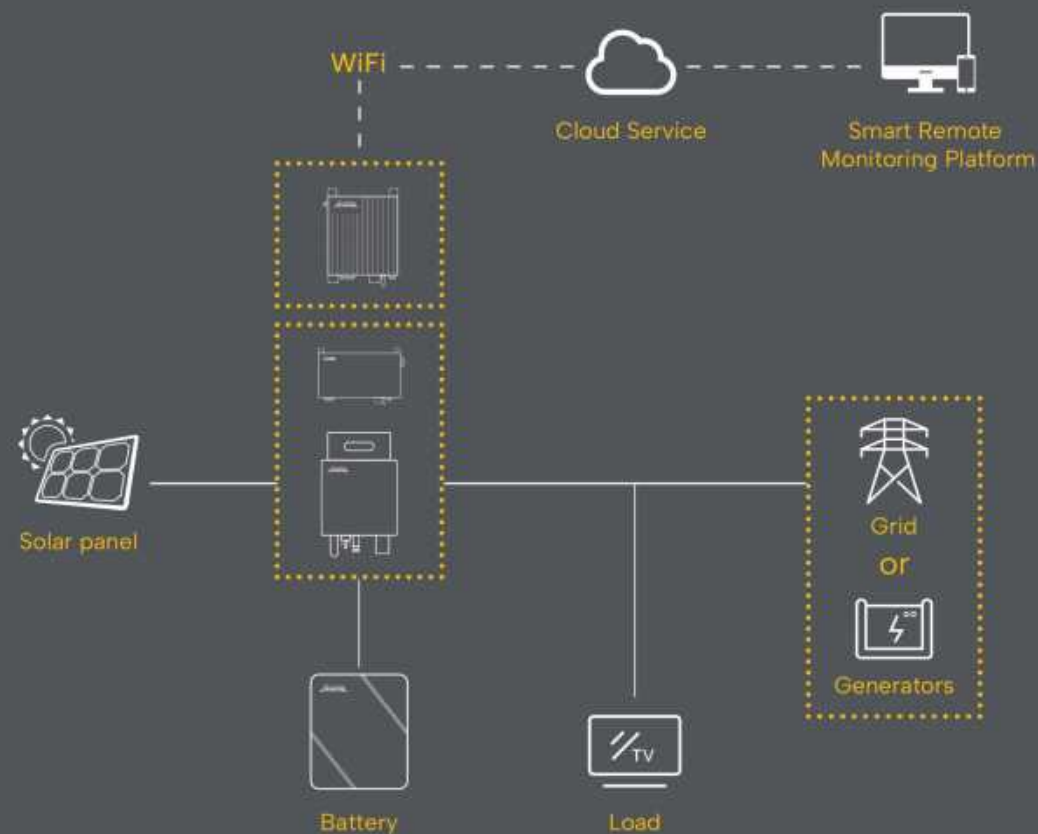
# MICRO HYBRID INVERTER SYSTEM SOLUTION

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NEW INSTALLATION

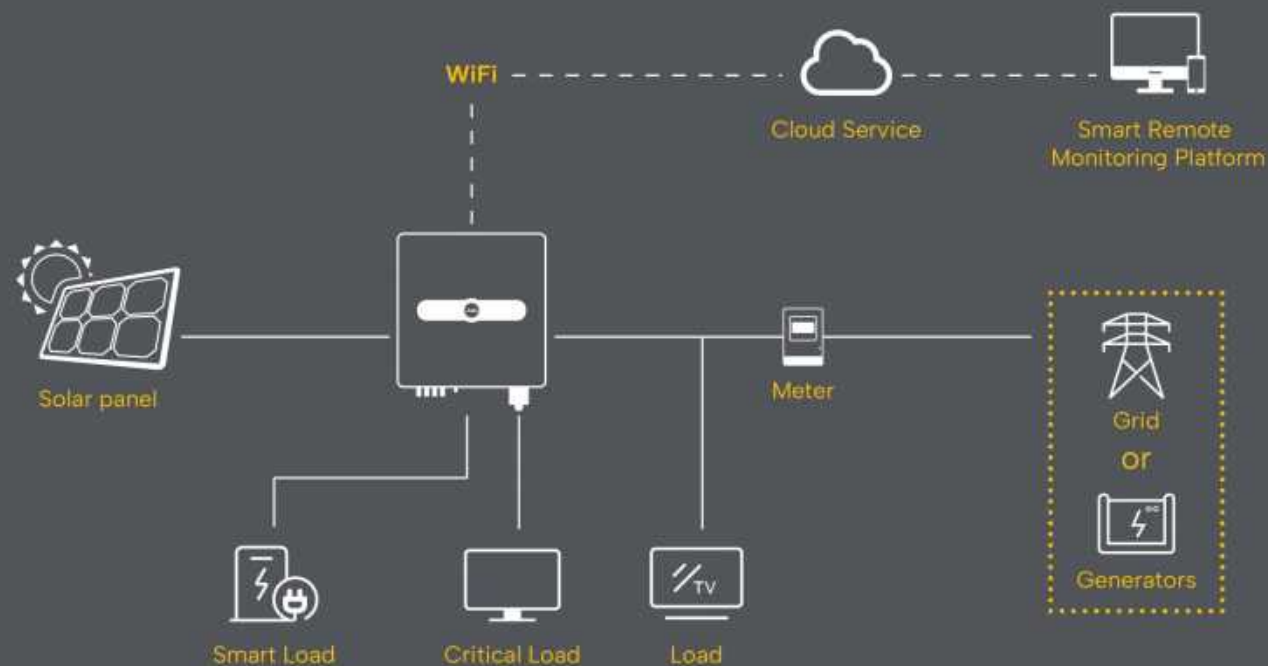
RENOVATION WITH AC COUPLE



# ON GRID SYSTEM INTEGRATED SOLUTIONS



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## FEATURES OF THE OPERATING MODE

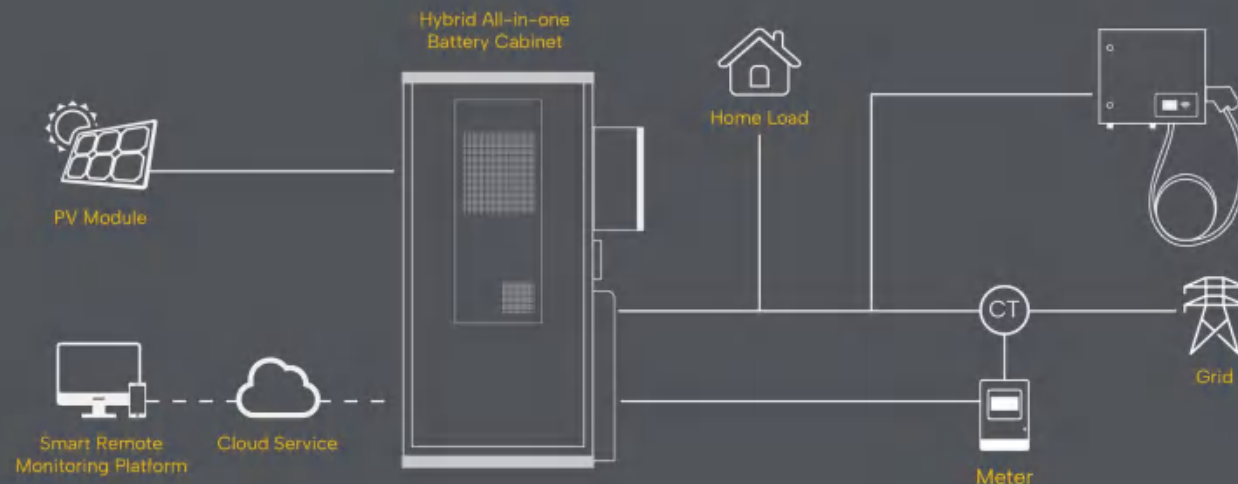
Self-consumption    Redundant energy flow to grid    Anti-power control function  
Support for parallel operation    Debug online



# C&I PV STORAGE CHARGING INTEGRATED SOLUTIONS



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## FEATURES OF THE OPERATING MODE

### Safety&Reliability

- CATL LFP Battery Cell
- Double level fire suppression system design
- 1+1 Redundancy design

### Use-friendly&Easily Maintenance

- Pre-installed in factory for easy installation on site
- Effortless operation, cloud control
- Integrated BMS/EMS, suitable for various applications

### Flexible&Efficient

- 1MW/2MWh Multi-machine in parallel, max capacity 1MW/2MWh
- Support to switch on-grid/off-grid mode equipped with STS



# High Voltage Hybrid Inverter Series

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## AFCI



<500ms  
fast Response



AI early detection for Arc  
no false alarm



300 metres  
long distance



30A  
high current



Rated <2% harmonics



Support 110% three-phase  
unbalanced output



18A large components  
fully compatible,  
1.5times DC overmatching

<10  
ms

UPS Switch  
Over Time < 10ms



Off-grid switching



Support SUNSPEC protocol



Dry node start generator



Supports parallel connection



3-6kW | Single Phase



4-15kW | Three Phase



# Low Voltage Hybrid Inverter Series

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Up to 110% oversizing  
(1.3times  $\leq$  60s)



UPS switch  
over time  $< 10\text{ms}$



Up to 2 times input



Support 110% three-phase  
unbalanced output

**Max  
18**

The maximum current of  
a single string module is 10A



Supports a maximum of 12 parallel  
three-phase units; 16 single-phase units



Waterproof grade IP66



Support dry contact  
starting generator



Normal operation of  
only-connection PV panels



Dual back up output



3-6kW | Single Phase



6/8kW | Single Phase



8-12kW | Three Phase



# Off Grid Inverter Series

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Rich application scenarios



Max. efficiency > 95%



UPS switch over time  
< 10ms



Operating temperature  
-15 °C to 55 °C



The maximum current of  
a single string module is 20A



Supports multiple parallel machines,  
up to 9 parallel



The parallel current can be  
dynamically adjusted after paralleling



Supports three-phase output after  
single-phase parallel operation



Support dry contact  
starting generator(Optional)



Normal operation of only-connection PV panels



300-1600W  
Power Frequency



2.4-4kW  
Power Frequency



5-10kW  
Power Frequency



3-10kW  
High Frequency

# Microinverter Series

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High Efficiency 96.5%



DC 60 Volts With  
Surge Protection



Built-In Wifi For  
Remote Monitoring



Matching Multiple Connection Modes



300/350/400W



600/800W




2000W


# On Grid Inverter Series

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**Max.  
1.5** Max. 1.5 Times PV  
Oversize Capacity

 Wi-Fi Standard  
Ethernet/GPRS Optional

 Multiple Intelligent Protection

 Quick & Easy Config. via Wi-Fi



3-10kW  
Single Phase



6-28kW  
Three Phase



30-50kW  
Three Phase



50-75kW  
Three Phase



70-110kW  
Three Phase



80-136kW  
Three Phase



# C&I Series

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Integrated Wind And  
Solar Energy Storage



Zero-Carbon Industrial Park



Photovoltaic & Wind Storage And  
Charging Integration



Carbon Trading



Contract Energy Management



Demand Side Management



AU-CES-100kWh  
Hybrid All-in-one Battery Cabinet



AU-CES-215kWh  
Air Cooling All-in-one Battery Cabinet



AU-CES-600K/1376kWh  
Containerized Liquid Cooling ESS

# High Voltage Battery Series

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Max. 27A charging current



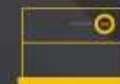
≥6000 life cycles



Capacity 27 Ah



Gotion cell



5kWH starter inverter



Easy installation



Support remote upgrade



Support capacity expansion



LIH5KWH



LIH7.5KWH



LIH10KWH



LIH12.5KWH



LIH15KWH



# Low Voltage Battery Series

austa<sup>i</sup>



## Safety

Multi-protection from BMS



## Costs

Long cycle lifeSpan with lower costs



## Easy installation

Friendly size and weight



## Energy

5.12kwh-LifePO4 battery cells



## Compatibility

EVE cell



## Excellent Performance

Maximum 16 units in parallel



## Adaptability

Communication with multi-brand inverters



**Aerosols**  
(optional)



5KWH



10KWH





# Low Voltage Battery Series

**austa**



**Expandable**  
2-15 units can be expanded



**Safer to Use**  
High-density LiFePO4 battery



**Long Battery Life**  
6000 cycles life ( DoD 80% )



**Plug and play**  
For easier installation



**Stable & Reliable**  
Advanced BMS management



**Widely Compatible**  
Compatible with mainstream inverters



**Excellent Performance**  
Use Gotion battery cell

**CAN Strong Compatibility**  
**RS485** Support multiple inverter communication protocols

**Max. 15 units in parallel, 75kWh**



5KWH



10KWH



15KWH



20KWH

# Solar Panels



182mm Battery cells, best size for ultra-high power module  
module power can reach up to 420W with higher yield rate



Higher electricity yield performance and lower  
cell internal resistance loss attributing  
by multiple-BB design with better cell current collecting capability



Improved laser cutting workmanship brings outstanding reliability



Bifacial generation TOPCON technology, rear side 75% of front side power output  
5%-15% additional gain under various installation conditions



**15**  
YEARS

Guarantee on product  
material and workmanship

**30**  
YEARS

Linear power  
output warranty

410~705W(TOPCon)

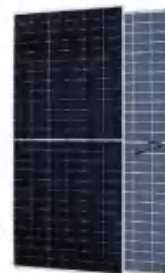
108~156

Black Mono Half Cell Module

21~22.54%

Module Efficiency

(1722-2465)\*(1134-1303)\*30/35mm  
Dimensions



445~455W (HPBC)

108

Black Mono Half Cell Module

22.8~23.3%

Module Efficiency

1722\*1134\*30mm  
Dimensions



100~450W

36~120

Black Mono Half Cell Module

17.83~22.5%

Module Efficiency

(730~1936)\*(845~1135)\*(2.5~3)mm  
Dimensions



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390~670W(Perc)

108~156

Black Mono Half Cell Module

19.97~21.56%

Module Efficiency

(1722-2465)\*(1134-1303)\*30/35mm  
Dimensions



50~370W

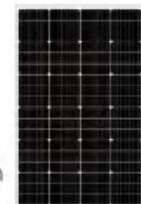
36~72

Black Mono Half Cell Module

16.24~21.24%

Module Efficiency

(570~1980)\*(540~880)\*(25~35)mm  
Dimensions



100~240W

(579~640)\*585mm

Folding Dimensions (mm)

(1168~2430)\*585mm

Unfolding Dimensions (mm)



# AUSTA OPERATIONAL PLATFORM



**Austa self-developed monitoring App** is used to provide users accurate and comprehensive data analysis and fault alarm of their power plants at any time and anywhere, to make products operation more stable and reliable, and to realize a stable and intelligent operation and maintenance management services.



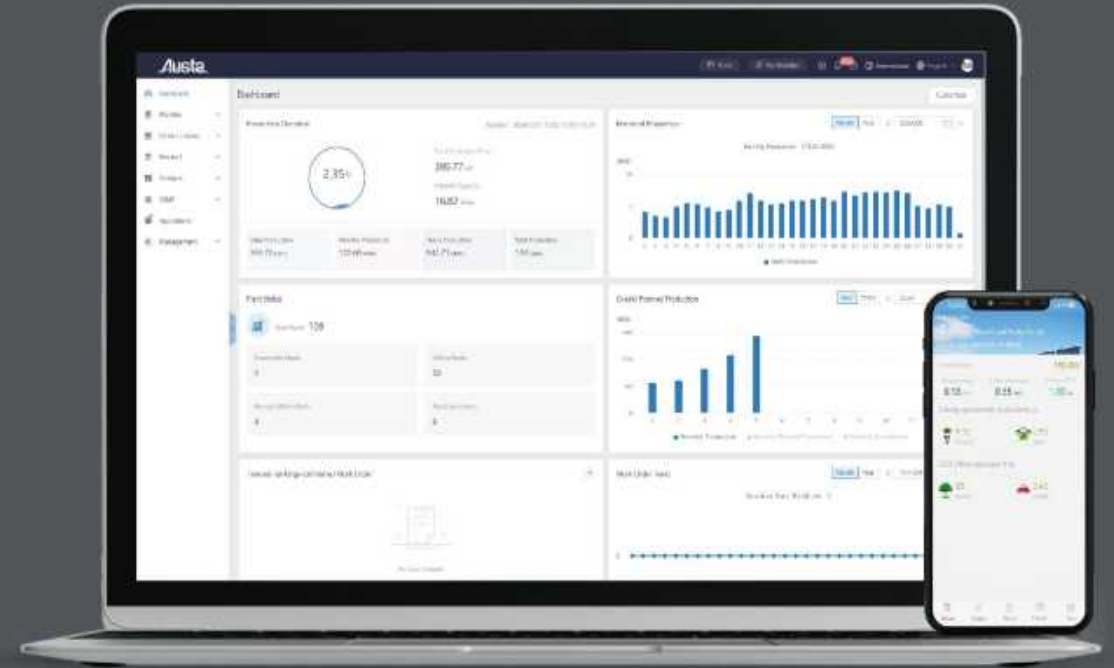
Rich Reports



Management



Compatibility





## Project Cases



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Project Name: Residential projects

Project Address: **Germany**

Project Capacity: **2MW**

Inverter Selection: High Voltage Hybrid Inverter





## Project Cases



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Project Name: Residential projects

Project Address: **Pakistan**

Project Capacity: **1MW**

Inverter Selection: On Grid Inverter



## Project Cases

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Project Name: Residential projects

Project Address: **Pakistan**

Project Capacity: **300KW**

Inverter Selection: Low Voltage Hybrid  
Inverter





## Project Cases

**austa**

Project Name: C&I projects

Project Address: **ZhouShan**

Project Capacity: **0.5MW/1MWh**

Inverter Selection: C&I ESS





# Project Cases





# WHY CHOOSE AUSTA

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intertek

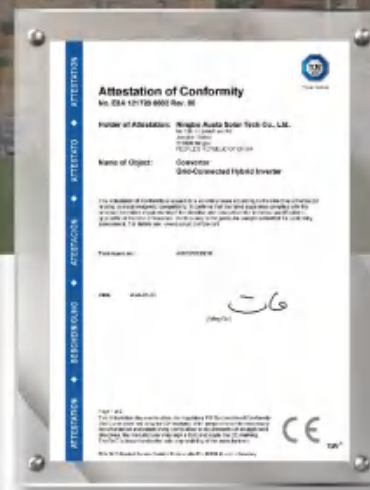
DEKRA

TUV NORD

TUV SUD

German  
Authentication

EMC  
Authentication



# WHY CHOOSE AUSTA

## MANUFACTURING RELIABILITY



austa



Leanest factory layout



Fully intelligent  
system integration



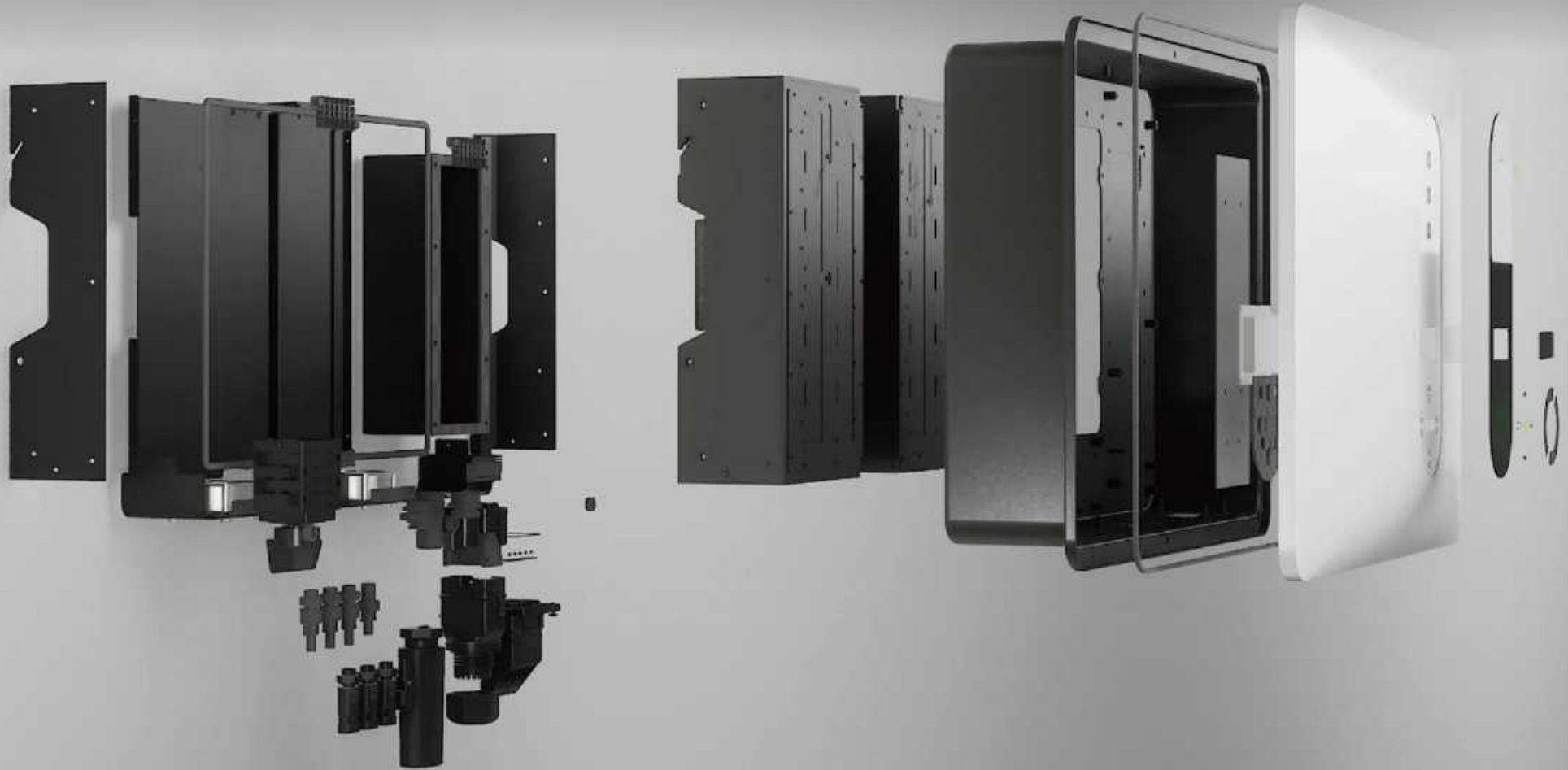
Highly automated



Industry 4.0 standard

# TOP BRAND

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TEXAS  
INSTRUMENTS

ROHM  
SEMICONDUCTOR

LEM

Infineon

MICROCHIP

TOSHIBA

ON  
Semiconductor

NIPPON  
CHEMI-CON

ST  
Microelectronics

Rubycon

MAXIM

EATON  
Powering Business Worldwide



# WHY CHOOSE AUSTA

austa<sup>®</sup>

## SERVICE SUPPORT



Excellent After-sales Service  
Service plan by 48 hours 7/24



**24/7**  
Other Countries



**21**  
Service Centres



**100+**  
Service Countries

- Average 5-year warranty

- Multiple extensions available

- Up to 10 years warranty

- Convenience and peace of mind



# WHY CHOOSE AUSTA

## CORPORATE ADVANTAGE

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Stable SupplyChain



Local Repositories



Safe Transport



Accept Customization



Strong R&D Team



Wide Product Range



Competitive Payment Terms

# WHY CHOOSE AUSTA



## AGENT SUPPORT



Provide customized  
complete product  
system



provide a customized  
set of product  
information



weekly/quarterly  
technical training



support a certain  
amount of marketing  
costs



Guide and empower  
marketing strategy

# WHY CHOOSE AUSTA

## BRAND PROMOTION

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PV website

Website

Official Wechat Account

AUSTA 6 Platform Account Promotion

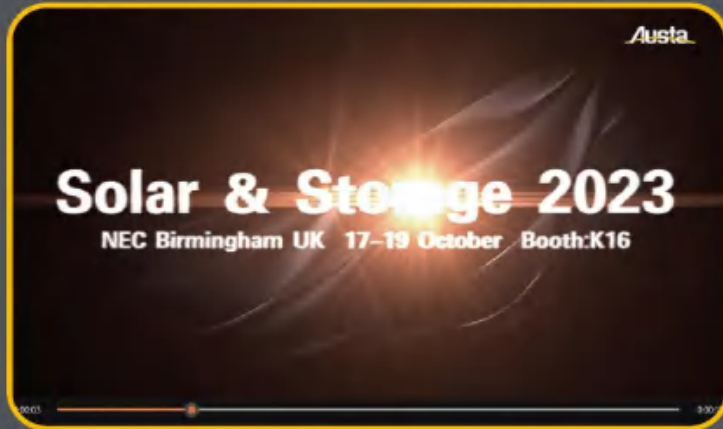




# WHY CHOOSE AUSTA

## BRAND PROMOTION

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# WHY CHOOSE AUSTA

## BRAND PROMOTION

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**Thank you for  
watching!**