WHY CHOOSE AFORE?









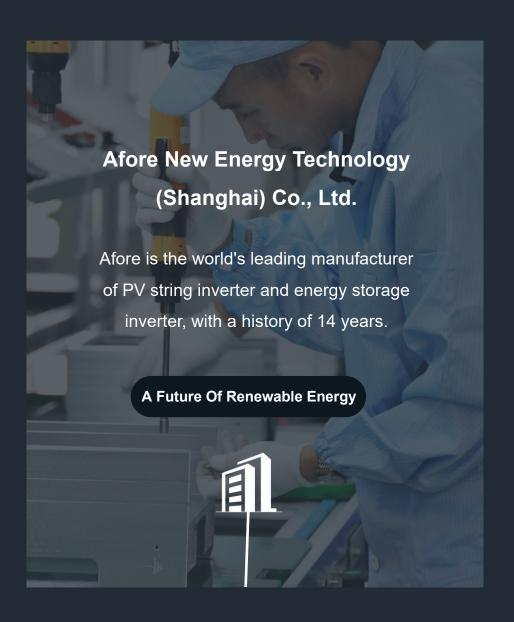






14+ years PV Inverter Manufacturing
 Experiences;

- Top **10** String inverter factory in China;
- 8GW+ Shipped Globally;
- Flexible cooperation modes;
- 230+ Solar Inverter Patents;
- Stocks in China, Poland, Netherlands,
 Japan, Mexico etc.



Production Area: 8000m²

360000 sets of annual production capacity.

R&D: 60

Over 60 professional engineers and one independent R&D lab.

Employee: 300

Highly efficient and complete departments including R&D, Production, QC, warehouse, marketing and sales etc.

Top-Brand Components







CURRENT TRANSDUCER



IC







MCU





DC SWITCH



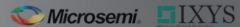






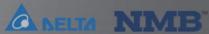


DIODE





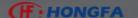
COOLING FAN





RELAY





What We Have Achieved?

We offer not just good products, but also high-efficient local support to our partners and users throughout the inverter life span. Make sure the customers receive reliable returns by choosing Afore!



800 thousand of sold inverters around the world.



Top **10** String inverter brand in China.

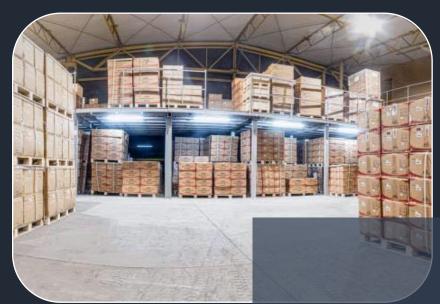


Global Market



Over **80** countries and areas installed Afore inverters, total installation capacity is **8**GW. Among them, Afore inverters have a market share of about **10-15%** in some markets.





After Sales

Afore has set up local warehouses and distribution services in many countries and regions. That ensures quicker responses to customer demand and commitment to three working days delivery.







Afore



PV String Inverter & PV Storage Inverter





Residential HNS Solar Inverters

The Afore HNS Series Single-phase inverters are designed for residential PV system applications, rating from 1kW to 10kW.



Single phase (1-3kW)



Single phase (3-6kW)



Single phase (7-10kW)



Residential HNS Solar Inverters

The Afore BNT Series Three-phase string inverters are designed for commercial and power plant PV system applications, rating from 3kW to 110kW.



Three phase (3-25kW)



Three phase (30kW)



Three phase (36-60kW)



Three phase (70-110kW)





Three phase (3-12/15-30kW)



Three phase (36-50kW)



Three phase Plus Series (3-12kW)



Delta Voltage Series(3-17kW)



Three Phase AC Coupled (3-30kW)



Three Phase AC Coupled Plus Series 3-12kW



Energy Storage Hybrid Inverter

The Afore energy storage hybrid inverters are designed to increase energy independence for homeowners and commercial users. The power range is from 1.0kW to 50kW.







Single Phase (4-6kW) Plus Series



Single Phase AC Coupled (1-6kW)

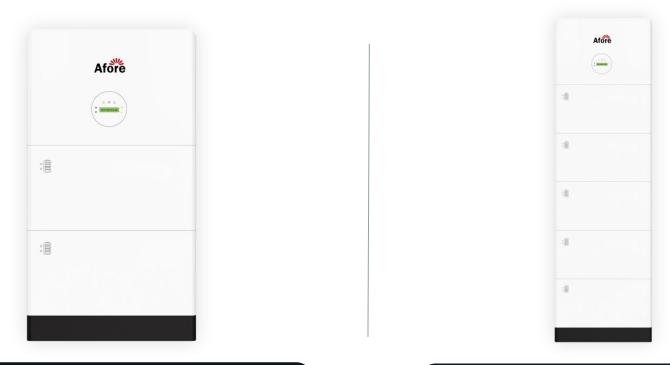


Split Phase (3-9.6kW)



All In One Energy Storage System

Afore ATH Series is an all-in-one solar and storage solution that integrates the inverter, battery charger, UPS-level switching, and battery enclosure into a pre- wired modular system for easier and faster installation.



Single Phase Home Storage Solution (LV)

Three Phase Storage Solution (HV)



ATON Series PV String Inverter 3-25kW

















ATON Series PV String Inverter 3-25kW



Compatible with bifacial modules

High DC input current&strong overload ability.



IP68 fan design

Control the fan according to the ambient temperature, good heat dissipation makes the inverter life longer.



Quick Arc Fault circuit interruption (Optional)

Equipped with mature series arc detection and can shut down the inverter rapidly, which can prevent arc hazards in rooftop PV systems in complex environments.



String level monitoring

Find the early issues of the PV panels timely and analyze whether there is a fault. Quickly determine its type when fault happens and precisely locate the failed PV string.



Thin film capacitor design, higher reliability

Thin film capacitor has 5 times of longer life than the electrolytic capacitor((under the same conditions of use, and the temperature is less than 70 degrees).



Smaller & lighter

Transportation cost down, and easy to install.

Three Phase PV String Inverter 70-110kW





SMART

Intelligent string monitoring, Smart I-V curve scan



PROTECTION

Type II DC & AC Lighting Protection



MAX. 38Adc

String Current Up To 38A



PV OVERSIZE

>1.5 Time PV Oversize Input



POWER FACTOR

Active and Reactive Power Compensation



ANTI-FLOW

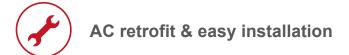
Anti-Feed-in Function



All In One Energy Storage System Single Phase Home Storage Solution (LV)



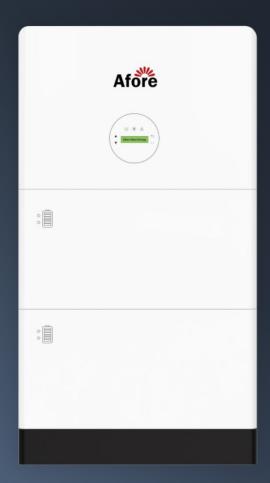










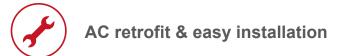


All In One Energy Storage System Three Phase Storage Solution (HV)















Single Phase Hybrid Inverter (1-6kW)



PV OVERSIZE

1.5 Times PV Oversize



MPPT CHANNELS

Up to 2 MPPT Channels



UPS FUNCTION

Switch Time < 10ms



PARALLEL

Max.6 Parallel Stacking



INPUT

Support Generator



Single Phase Hybrid Inverter Plus Series (4-6kW)



MAX. 120A

Max. Charge/Discharge Current 120A



PV OVERSIZE

1.5 Times PV Oversize



MPPT CHANNELS

Up to 2 MPPT Channels



UPS FUNCTION

Switch Time < 10ms



PARALLEL

Max.6 Parallel Stacking



Three phase Hybrid Inverter (3-12/15-30kW)





SODIUM-ION BATTERY

Support sodium-ion battery



WIDE RANGE

Voltage Range (150-800V)



100% UNBALANCE

Support Unbalance Load



PV OVERSIZE

1.5 Times PV Oversize



MAX. 40Adc

String Current Up To 40A



UPS FUNCTION

Switch Time < 10ms



INPUT

Support Generator

Three phase Hybrid Inverter (36-50kW)





SODIUM-ION BATTERY

Support sodium-ion battery



WIDE RANGE

Voltage Range (150-800V)



100% UNBALANCE

Support Unbalance Load



PV OVERSIZE

1.5 Times PV Oversize



MAX. 40Adc

String Current Up To 40A



UPS FUNCTION

Switch Time < 10ms



INPUT

Support Generator

Three Phase Hvbrid Inverter Plus Series (3-12kW)





SODIUM-ION BATTERY

Support sodium-ion battery



MIN. 80V

Battery Voltage Minimum 80V



MAX. 50A

Max. Charge/Discharge Current 50A



100% UNBALANCE

Support Unbalance Load



PV OVERSIZE

1.5 Times PV Oversize



MAX. 20Adc

String Current Up To 20A



UPS FUNCTION

Switch Time < 10ms

Single Phase AC Coupled (1-6kW)



SEAMLESSLY SWITCH

Seamlessly Switch Time between EPS with Grid



SMART

Smart EMS/BMS



UNIBODY

One-piece Aluminum Housing



SAFETY

Proven Safety



MAX. 80A

Max. 80A Battery Charge and Discharge Current



SUPPORT

Island support

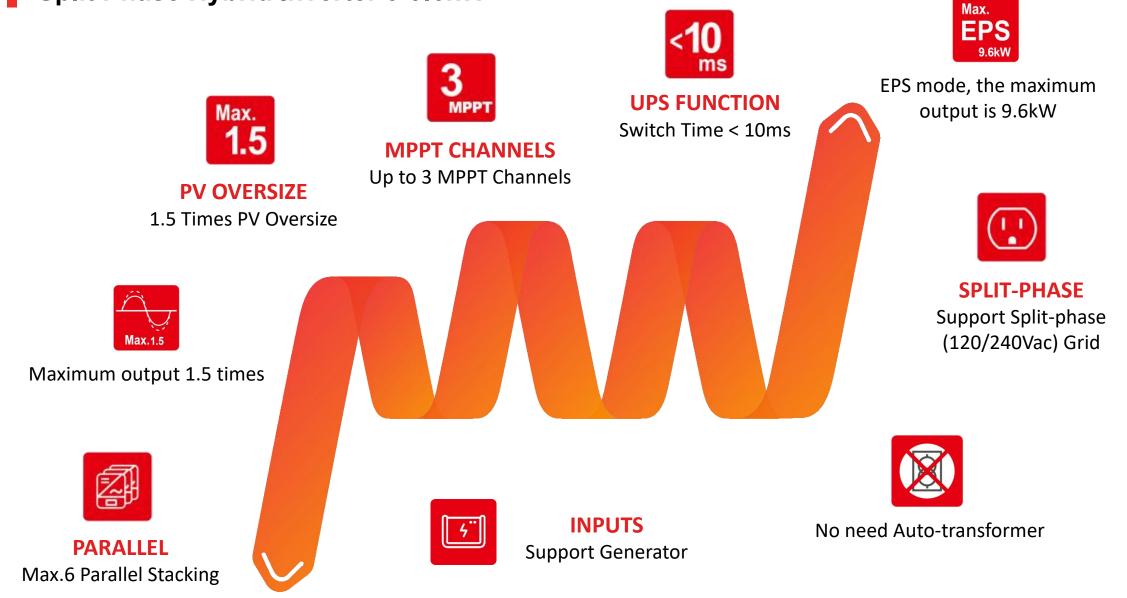


Split Phase Hybrid Inverter 3-9.6kW



- The Afore AF Series storage Inverters are designed to increase energy independence for homeowners.
 The power range is from 3.0kW to 9.6kW, compatible with high voltage (80-495V) batteries.
- Energy management is based on time-of-use and demand charge rate structures, significantly reduce the amount of energy purchased from public grid.
- Thanks for the UPS function (switch time < 10ms), enables the crucial loads power on during outages. Additionally, under the backup operation mode, the inverter provides you up to 150% peak output overloading.
- The AF Series storage inverters meet the US safety regulations, integrated with Arc Fault Circuit Interrupter (AFCI) and Rapid Shutdown.

Split Phase Hybrid Inverter 3-9.6kW





Certifications And Standards

EMC Standard

EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12etc.

ATTESTATION OF CONFORMITY

Safety Standard

IEC/EN62109-1, EN62109-2, UL1741, IEC 60068-2etc.

Grid-Connection

EN50549-1, EN50438, RD 1699,UNE 217001, RD 413, IEC61727, IEC62116, IEC61683, VDE4105, C10/11, IEEE1547, VDE0126, AS4777.2, NB/T 32004-2013, UNT C 15-712-1, ABNT NBR 16149, ABNT NBR 16150etc.













• 20+ QC Points During Whole Process of Production





Technical Training







Product & installation training

Every two months a large number of clients join the regular technical training held around many countries.

Technical Training







Technical Training







Afore Technical Training Conference in Frankfurt, Germany





Boxing Match



















Racing Rally



























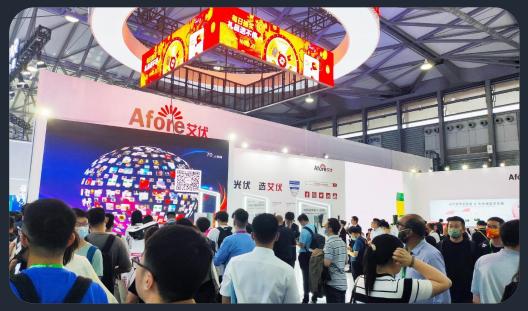




Afore Afore Afore



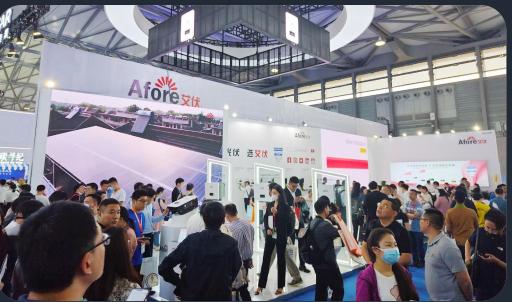
RE+ 2023





SNEC 2023









CISOLAR 2022

















Country: China Product: Three-phase 60kW Project Size: 0.5MW



Country: Ukraine
Product: Three-phase 30kW
Project Size: 30 kW



Country: Norway
Product: Three-phase 15kW
Project Size: 15kW

Applications



Afore inverters have been installed in Europe, Australia, China, Indian, Japan, North America and South America, satisfying hundreds of thousand users globally.

Country: Japan Product:

Single-phase 5.5kW

Project Size: 49.5kW





Country: Jamaica

Product:

Split Phase Hybrid Inverter 9.6kW

Battery: 52kW·h



Energy storage applications

Country: UK
Product: Single Phase
Hybrid Inverter 6kW
Battery: 8kW·h

Country: South Africa Product: Single Phase Hybrid Inverter 6kW Battery: 11kW·h

Country: Japan Product: Three Phase Hybrid Inverter 9.9kW Battery: 85.2kW·h Country: Japan Product: Split Phase Hybrid Inverter 8.25kW Battery: 10kW·h











BAHRAIN F1

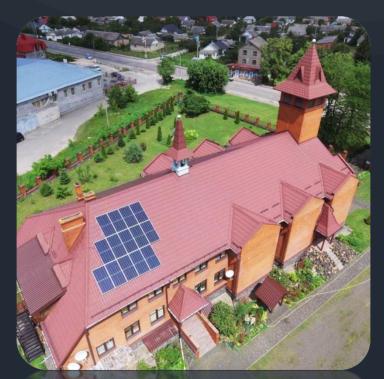
Afore Inverter Power BAHRAIN F1 Grand Prix To Go Green!

Country: Bahrain Project Size: 3883kW









Country: Poland
Product: Single-phase 5kW
Project Size: 5kW



Country: Japan
Product: Hybrid Inverter 6kW
Project Size: 6kW



Country: Pakistan
Product: Three-phase 6kW
Project Size: 6kW



Country: Iran
Product: Single-phase 5kW
Project Size: 200kW residential
community project





Country: Vietnam

Product: Three-phase 60kW

Project Size: 266kW



Country: Malaysia Product: Three-phase 60kW Project Size: 85kW



Applications



Afore



Country: Brazil

Product: Three-phase 60kW

Project Size: 5MW

Country: Ukraine Product: Three-phase 30kW Project Size: 30kW





Product: Three-phase 30kW
Project Size: 1MW



Product: Three-phase 30kW Project Size: 1.2MW



Product: Three-phase 30kW Project Size: 1.5MW



Product: Three-phase 20kW Project Size: 200kW



Product: Three-phase 60kW Project Size: 500kW



Product: Three-phase 20kW Project Size: 0.6MW



Product: Three-phase 30kW Project Size: 0.8MW



Product: Three-phase 30kW Project Size: 2.0MW



China Series







THANK YOU!









