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WHY CHOOSE AFORE?

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11 Years Dedicated
Inverter Manufacturing



Afore

Afore New Energy Technology (Shanghai) Co., Ltd.



About Afore



- **11+** years PV Inverter Manufacturing Experiences;
- **Top 10** String inverter factory in China;
- **5GW+** Shipped Globally;
- Flexible cooperation modes;
- **230+** Solar Inverter Patents;
- Stocks in China, Poland, Netherlands, Japan, Mexico etc.



**Afore New Energy Technology
(Shanghai) Co., Ltd.**

Afore is the world's leading manufacturer of PV string inverter and energy storage inverter, with a history of 11 years.

A Future Of Renewable Energy



Production Area: 20000m²

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

CAPACITOR



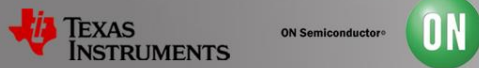
China/Japan

CURRENT TRANSDUCER



Germany/Switzerland

IC



America

MCU



Netherlands/Italy&France

DC SWITCH



China

IGBT



America/Germany/Italy&France

DIODE



America

COOLING FAN



Japan/Taiwan

RELAY



China/Japan





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!

What We Have Achieved?



600 thousand of sold inverters around the world.



35 million USD of annual sales in 2020.



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



Global Market



- Headquarter
- Sales Office
- Local Partner

(Only the main ones are marked)

Over **80** countries and areas installed Afore inverters, total installation capacity is **5GW**. Among them, Afore inverters have a market share of about **10-15%** in some markets.

After Sales

Over **15** local Professional After-sales Service Teams in different countries.

20+ overseas branch offices.





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.





Product Series

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)

Commercial & Power Plants BNT Solar Inverters

The Afore BNT Series Three-phase string inverters are designed for commercial and power plant PV system applications, rating from 3kW to 60kW.



Three phase (3-25kW)



Three phase (30kW)



Three phase (36-40kW)

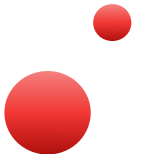


Three phase (50-60kW)

➤ US Hybrid Inverter (3-9.6kW)



➤ Hybrid Storage Inverter (3-6kW)





ATON Series 3-25kW



ATON Series PV String Inverter 3-25kW



MPPT RANGE

Wide MPPT Range



PV OVERSIZE

1.5 Times PV Oversize



DC 1100V

Max. DC 1100V



PROTECTION

Build-in SPD Type II



UPDATE

Remote Firmware Update



SMART

Smart IV Curve Scanning



UNIBODY

One-piece Aluminum Housing





ATON Series PV String Inverter 3-25kW



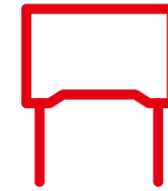
Compatible with bifacial modules

High DC input current & strong overload ability.



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.



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).



ATON Series PV String Inverter 3-25kW



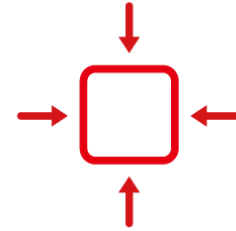
IP68 fan design

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



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.



Smaller & lighter

Transportation cost down, and easy to install.

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US Hybrid Inverter 3-9.6kW



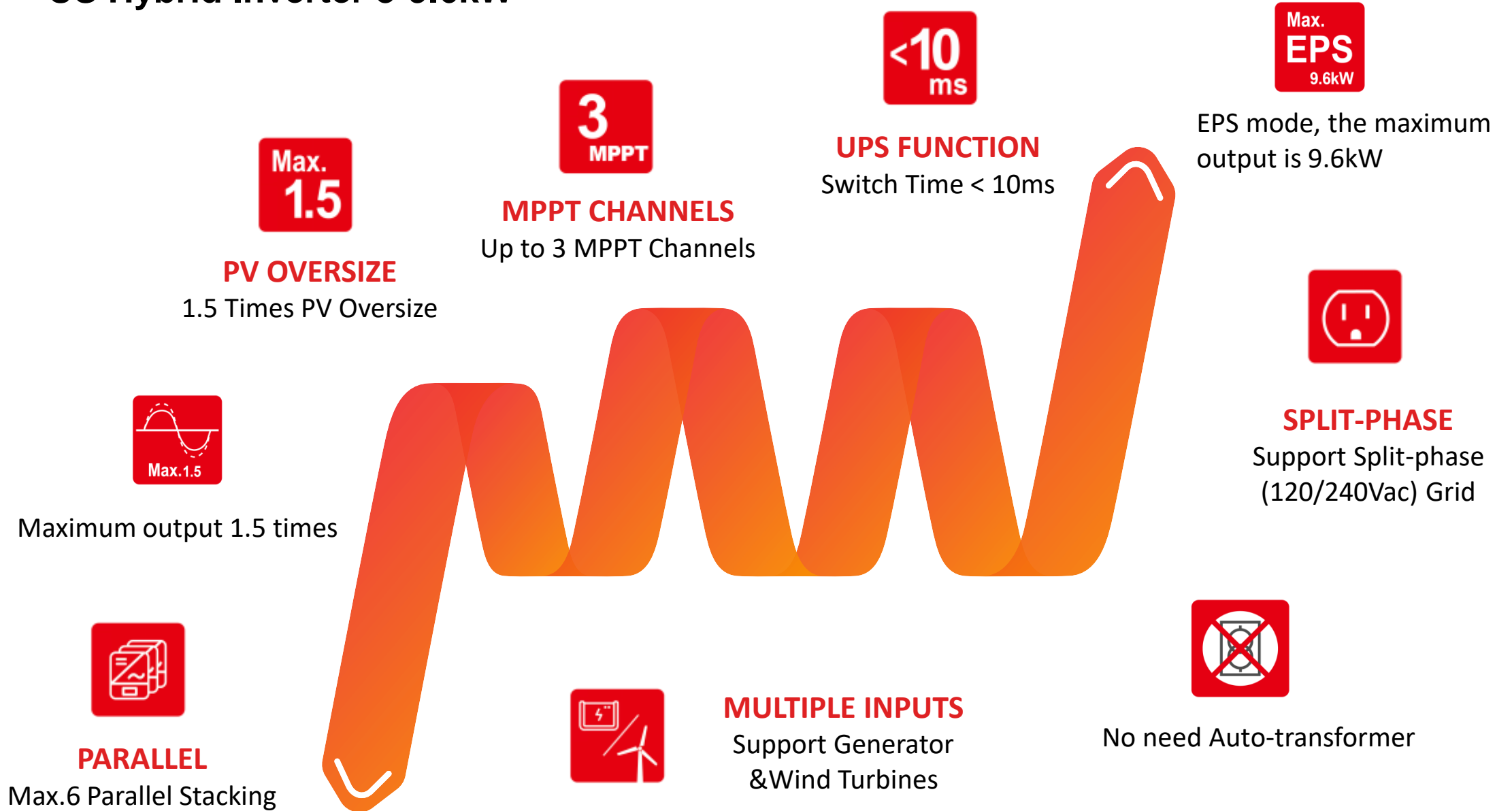
US Hybrid Inverter 3-9.6kW



- 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.



US Hybrid Inverter 3-9.6kW



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Certification

Certifications And Standards

EMC Standard

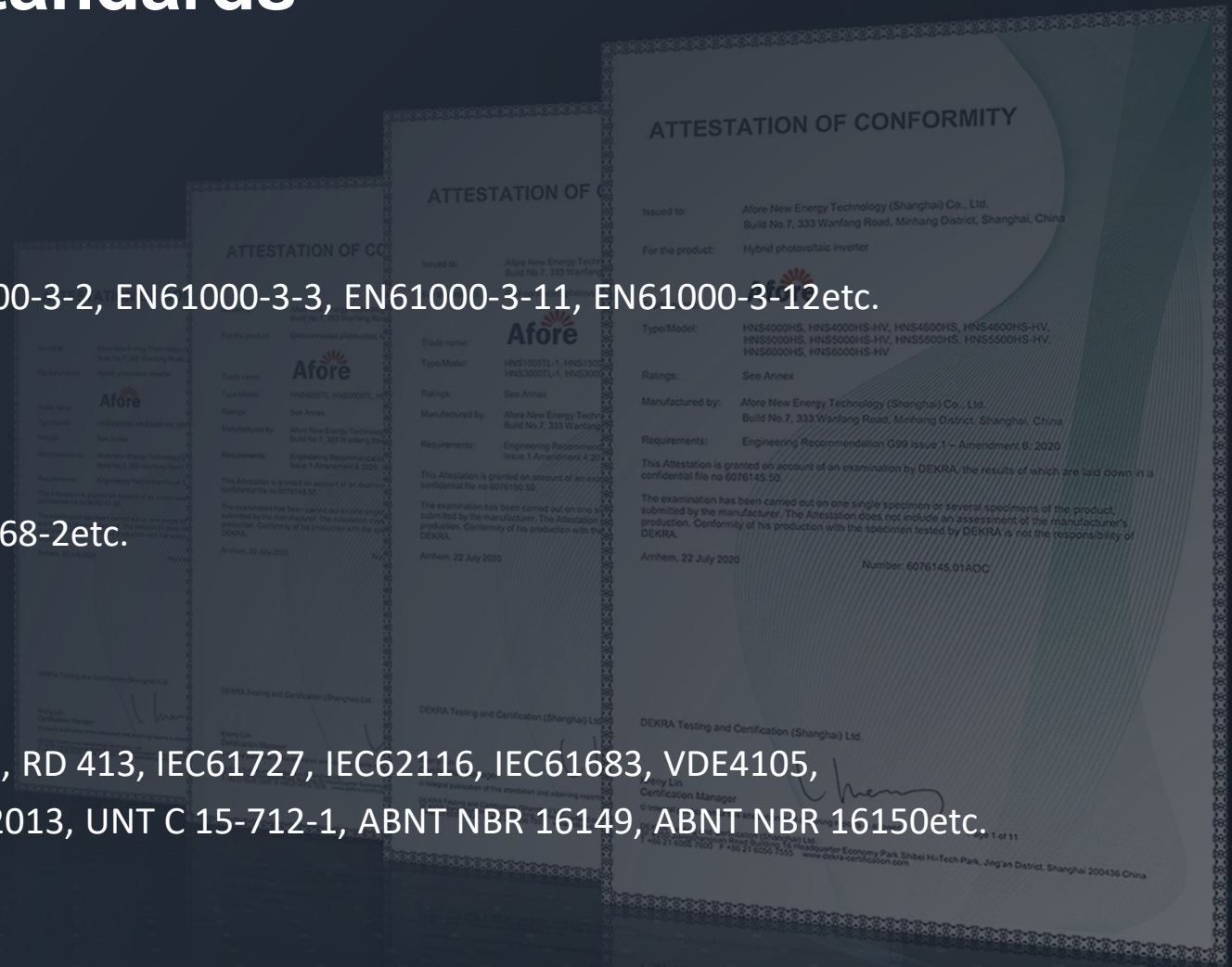
EN/IEC 61000-6-2, EN/IEC 61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-3-11, EN61000-3-12 etc.

Safety Standard

IEC/EN62109-1, EN62109-2, UL1547, IEC 60068-2 etc.

Grid-Connection

EN50549-1, EN50438, RD 1699, UNE 217001, RD 413, IEC61727, IEC62116, IEC61683, VDE4105, UL1741, VDE0126, AS4777.2, NB/T 32004-2013, UNT C 15-712-1, ABNT NBR 16149, ABNT NBR 16150 etc.





Production Line And QC



Strict Quality Control and Quality Assurance System



Inside the high temperature chamber, every inverter goes through up to **8 Hrs** Aging Test without power degrade.





Over **70** Performance and Function Tests before packing



Afore

Production capacity extended by **4** times after upgrading



20+ QC Points During Whole Process of Production



5GW+ Shipped Globally



Global Marketing

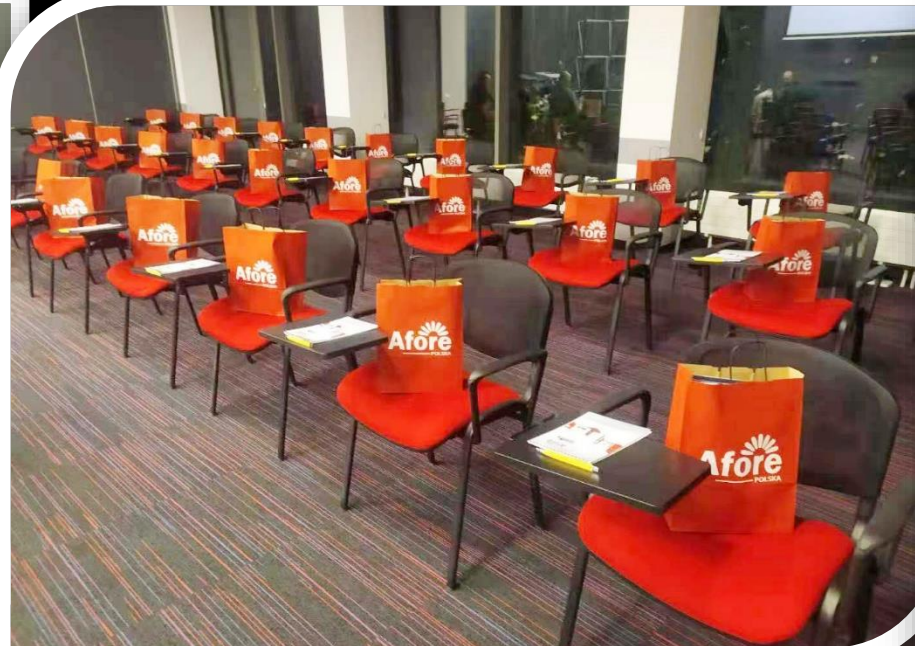
Technical Training



Product & installation training

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

Technical Training



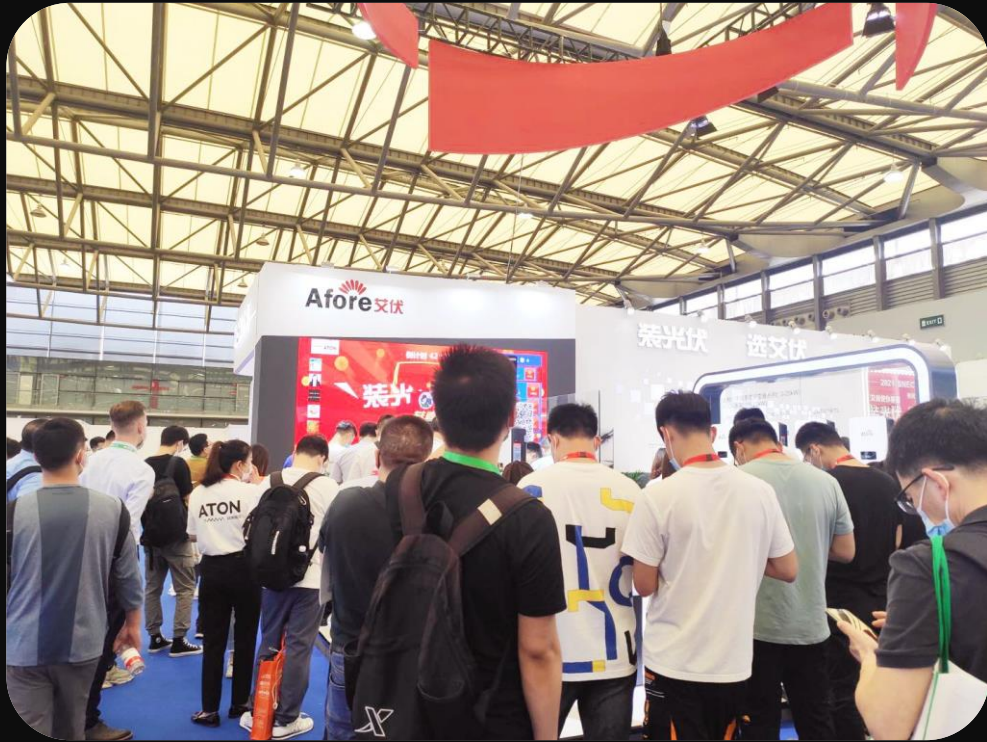


Boxing Match

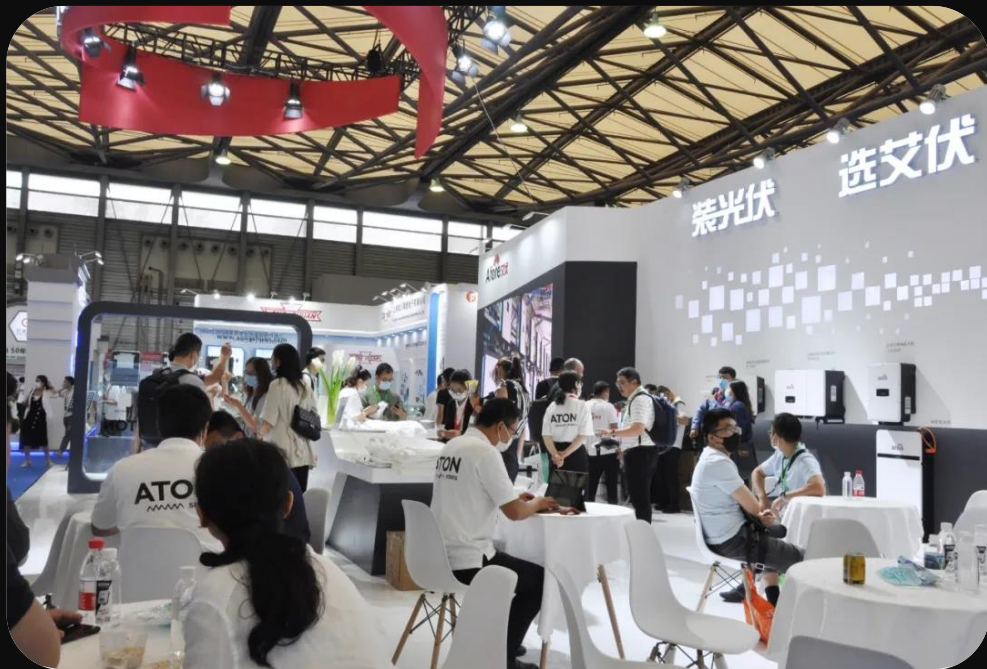


Racing Rally





SNEC 2021





CISOLAR 2021



Аfore

ATON SERIES

3-25 кВт

- ФУНКЦІЯ АРСІ
ЗАЛЮБЛЕННЯ УТВОРЕННЯ ЕЛЕКТРИЧНОЇ ДУГИ
- ЕФЕКТИВНИЙ ПРОЦЕСОР ТЕКАВ INSTRUMENTS
ЗВІЛЬЩЕНА ОБЧИСЛЮВАЛЬНА ПОТУЖИВІСТЬ
- ВИДАЛЕННЯ ОНОВЛЕННЯ ПРОГРАМНОГО ЗАБЕПЕЧЕННЯ
ЗАБЕЗПЕЧУЄ АКТУАЛЬНІ ДАНІ
- ТОНКОПЛІВКОВІ КОНДЕНСАТОРИ
РОБОТА ПОНАД 25 РОКІВ
- СУЧАСНИЙ ДИЗАЙН
НОВИЙ ФУНКЦІОНАЛЬНИЙ КОРПУС ТИПУ UNIBOX
- SMART GRID READY
УВАЖАЄТЬСЯ ІНВЕРТОРІ НАСЛАДЖУЄТЬСЯ ВИРОБНИЦТВОМ ЕНЕРГІЇ
- ПОЛЬСЬКИЙ МОНІТОРИНГ ЕКСПЕРТ
ВАШІ ДАНІ НА ЄВРОПЕЙСЬКИХ СЕРВЕРАХ



Global Media Coverage





Global Installation Case



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





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



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



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



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



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



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



Product: Three-phase 30kW
Project Size: 15MW



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



China Series



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



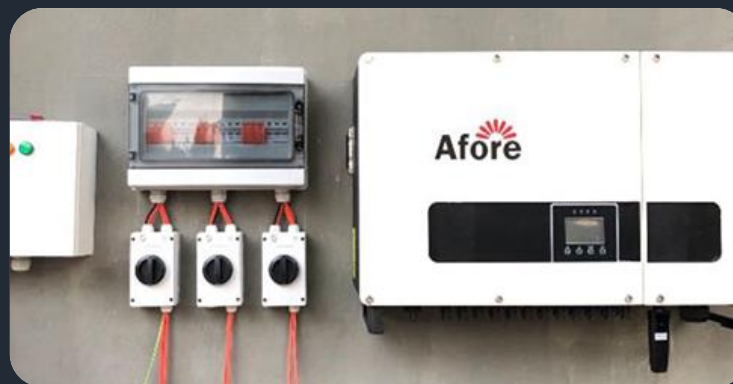
Country: Japan
Product: Hybrid Inverter 6kW
Project Size: 6kW



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

» **Applications**



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



Country: Japan
Product: Single-phase 5.5kW
Project Size: 49.5kW



Applications



Country: Brazil
Product: Three-phase 60kW
Project Size: 5MW

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





Company Honors

Afore Keeps Moving Forwards



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THANK YOU !

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