



Longwell Group

Longwell-China/Longwell-USA/Longwell-Europe

# Ningbo Longwell Electric Technology CO.,LTD

High-Quality Air & Smart Fan, Turn to Experts in HVACR

"Born for High-Quality Breathing, LONGWELL Fans Power Your Equipments."



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Contact Us



Ningbo Longwell Electric Technology CO.,LTD

# Company Profile

OEM for Well-Known Brands/Supplies Fortune 500 Companies  
Global Technical Support



# ABOUT LONGWELL

OEM for Well-Known Brands

Supplies Fortune 500 Companies

Global Technical Support

LONGWELL is a leading fan manufacturer, specializing in high-quality fans, blowers, motors, and components for heating, ventilation, air conditioning, and refrigeration applications. We have a strong presence in delivery capabilities, design and R&D capabilities, as well as manufacturing, placing us at the forefront of the industry.

Our product range includes EC/DC/AC centrifugal fans, axial fans, AC/BLDC cross-flow fans, single/double forward curved fans, AC/BLDC/ECM motors, and industrial fan blowers. Since our establishment in 1990, we have continuously upgraded our facilities and production capacity, boasting advanced testing labs and production facilities with an annual capacity of millions of fans. With over 20 years of experience, we are highly skilled in the design, development, and manufacture of fans and motors. We export to over 30 countries and serve numerous Fortune 500 clients.

Our facilities and products are compliant with certifications such as ISO9001, ISO14001, BSCI, CE, UL/ETL, CCC, EMC, and LVD. These certifications demonstrate our compliance in quality management, environmental management, social responsibility, and product safety. We are quality-oriented and dedicated to providing products and services that meet international standards.

Equipped with advanced testing labs and production facilities, including a B&K noise lab, CFD simulation lab, air dynamics test chambers, automatic welding machines, CNC machining centers, and auto robot injection machines, we ensure efficient production and on-time delivery.

As industry leaders, we prioritize technological innovation and efficiency. We employ advanced technologies such as aerodynamics principles and CFD simulation to ensure precise and efficient fan designs. Additionally, we offer customized services to design and manufacture fan systems according to specific customer requirements. Our focus is on providing high-tech, high-efficiency products that meet our customers' needs and contribute to a better future.

At LONGWELL, innovation is at the core of our operations, driving continuous improvement. With our extensive experience and expertise, we can quickly customize solutions that meet customer needs. We emphasize technological sophistication, utilizing advanced technologies and high-performance materials to deliver products that are efficient, safe, and reliable. Our brand is widely recognized globally, and we are committed to promoting sustainable development and advancing the efficient fan industry.

LONGWELL looks forward to collaborating with you and providing high-quality customized fan and motor solutions. Please feel free to contact us as we work together to create a brighter future.

**200<sup>+</sup>**

Staff

**1,000,000<sup>+</sup>**

(PCS)  
Annual Outputs

**40000m<sup>2</sup>**

Floor Space

**6**

Overseas offices  
on spot support

**500<sup>+</sup>**

Branding Clients

**50<sup>+</sup>**

Members  
R&D team

"Born for High-Quality Breaking, LONGWELL Fans Power Your Equipments."

# DEVELOPMENT HISTORY

2005 ▶

## Entrepreneurial Beginning

Origin: Established in China as an OEM factory, specializing in the production of high-efficiency small motors.  
Early Development: Built a reputation in the local market, offering customized solutions and excellent manufacturing processes.

2009 ▶

## Technological Innovation and Expansion

Technological Breakthrough: Developed high-efficiency energy-saving motors, laying the foundation for growth.  
Market Expansion: Commenced product exports to neighboring Asian countries and established partnerships with multiple enterprises.

2012 ▶

## International Expansion

Overseas Offices: Established overseas offices in Poland.  
Product Diversification: Expanded the product line to include various industrial and commercial fan motors.

## Technological Breakthroughs

Development of External Rotor Brushless DC Motors: Successfully created External Rotor Brushless DC Motors (EC motors) achieving up to 85% efficiency.  
Application of Computational Fluid Dynamics (CFD) Simulation: Initiated the use of CFD simulation technology to match fan motors, facilitating the development of the most efficient fan module.

## Technological Leadership

Research and Development Center: Established a research center in Germany dedicated to innovative technologies.  
Environmental Pioneer: Launched energy-efficient and emission-reducing motor products.

2015 ▶

2018 ▶

## Global Leap

Official Establishment: Founded under the brand name GlobalTech Motors, transitioning from OEM to an independent brand.  
Global Network: Established offices in locations like the United States and Turkey.

## Significant Shift

October: Confirmed the development direction, transitioning into a new internet export enterprise focusing on ventilation equipment and small household appliances.  
December: Established overseas service offices in Poland, and other locations, providing professional and prompt after-sales service.

# DEVELOPMENT HISTORY

2019 ▶

## Rapid Development

March: The first-generation new foreign trade sales team officially commenced operations in the industrial zone.

June: The team identified a three-year development direction, aiming to establish itself as a unicorn in the ventilation and electrical appliance niche markets.

October: LW-01 desktop fan achieved sales of 100,000 units, marking a leap from zero to one for the new product.

2020 ▶

## Market Expansion

October: Added a marketing team to enhance operations, brand building, and marketing systems. Established an office in the urban area of Yuyao city.

## Pandemic Response and Transformation

Pandemic Response: Adjusted strategies to drive online sales and services in response to the pandemic.

Smart Manufacturing: Accelerated the pace of smart manufacturing and automation.

## Business Expansion

April: Established a new office in the urban area of Hangzhou, focusing on 2B business sales and services along with 2C operations. Started focusing on cross-border 2C business.

2021 ▶

2023 ▶

## Moving Towards the Future

Renewable Energy Sector: Ventured into the renewable energy sector, conducting research and development of related motor products.

Sustained Growth: Planning to establish branches in more countries to expand global influence and ensure continuous growth.

# VALUES

- Core values-customer first
- Teamwork
- Embracing change
- Passion
- Dedication
- Integrity
- Results-oriented
- Open
- Pragmatic
- Immediate action
- Innovative
- Immersion



# MISSION VISION VALUES

## **MISSION**

Let the world use good fans and high-quality breathing - niche unicorn

## **VISION**

The world's most product solutions, the world's most technology solutions, the world's top 5

# PRODUCTION LINE

OEM for Well-Known Brands/Supplies Fortune 500 Companies  
Global Technical Support

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"Born for High-Quality Breathing, LONGWELL Fans Power Your Equipments."



Production Line - Centrifugal Fan



Production Line



Production Line - Axial Fans

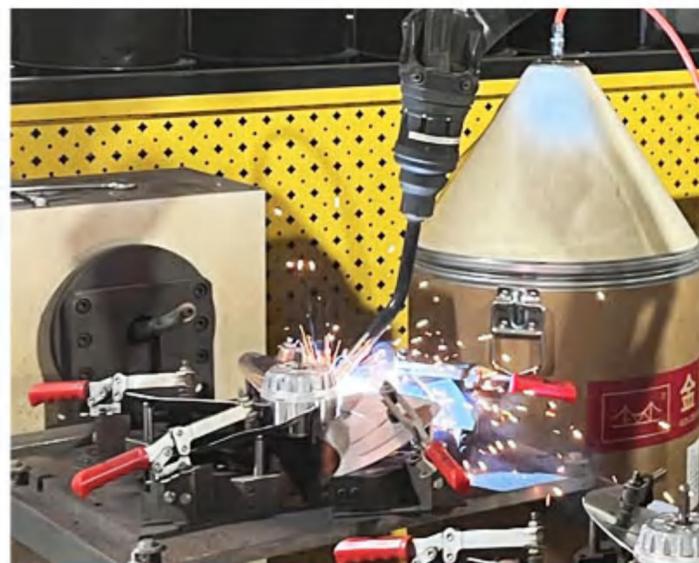


Production Line

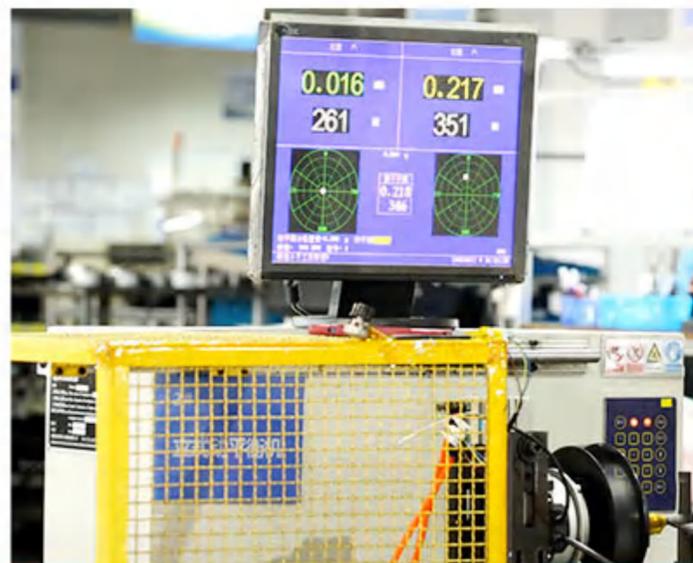
"Born for High-Quality Breathing, LONGWELL Fans Power Your Equipments."



Air Dynamic Test Lab



Automatic Welding



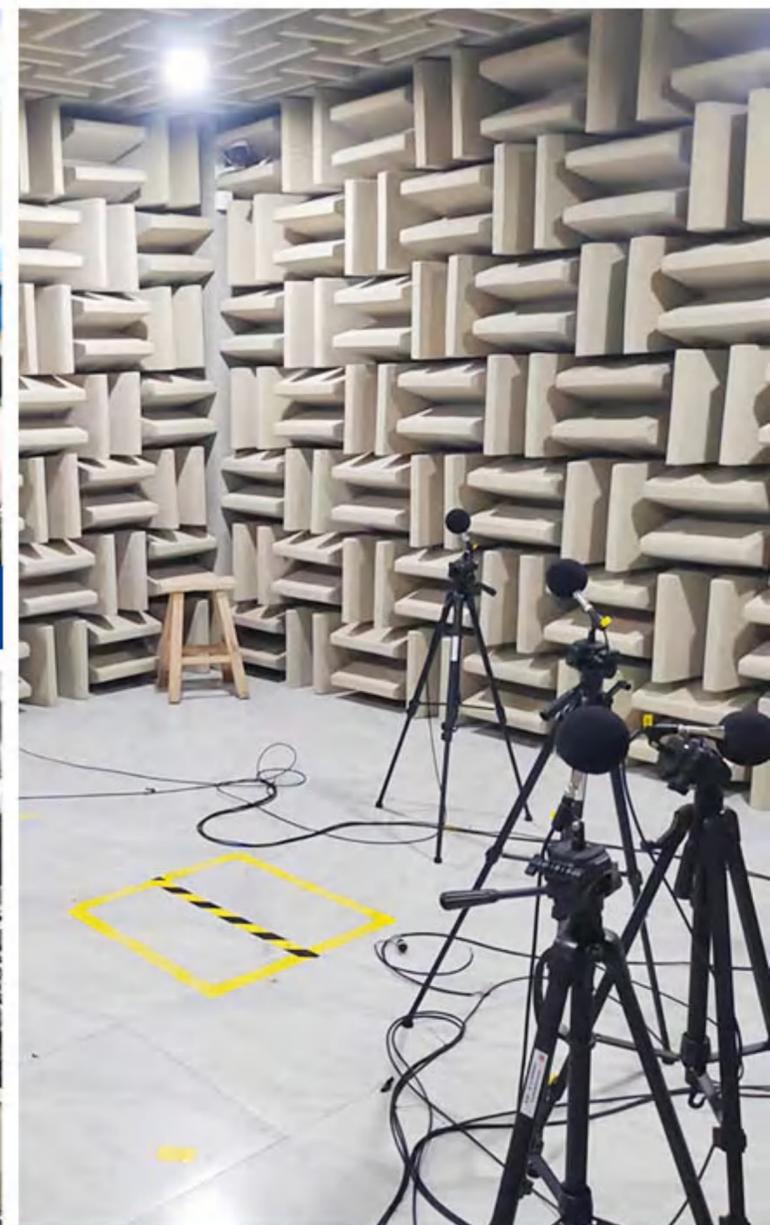
Balance Machine



Automatic Welding Machine



Automatic Welding Machine



B&K Noise Testing Lab

# CORE ADVANTAGE

01

The world's richest product library and the world's most complete technical solution library



02

Provide a complete set of technical matching solutions



03

A global provider of rapid customization of wind turbine modules



04

1/5-1/3 of sales price to completely cover and directly replace the two major brands in Germany, EB\* and Zi\*\* -ab\*\*



05

The layout of overseas offices covering the world



06

Plans to add 7 new offices by 2023. Turkey, South Korea, Israel, India, Germany, Iran, Saudi Arabia, Canada



09

Global network of 20,000 + users, with an increasing number of new customer inquiries every year



08

Wide brand coverage, covering all platforms of the world's online promotion network channels 100+



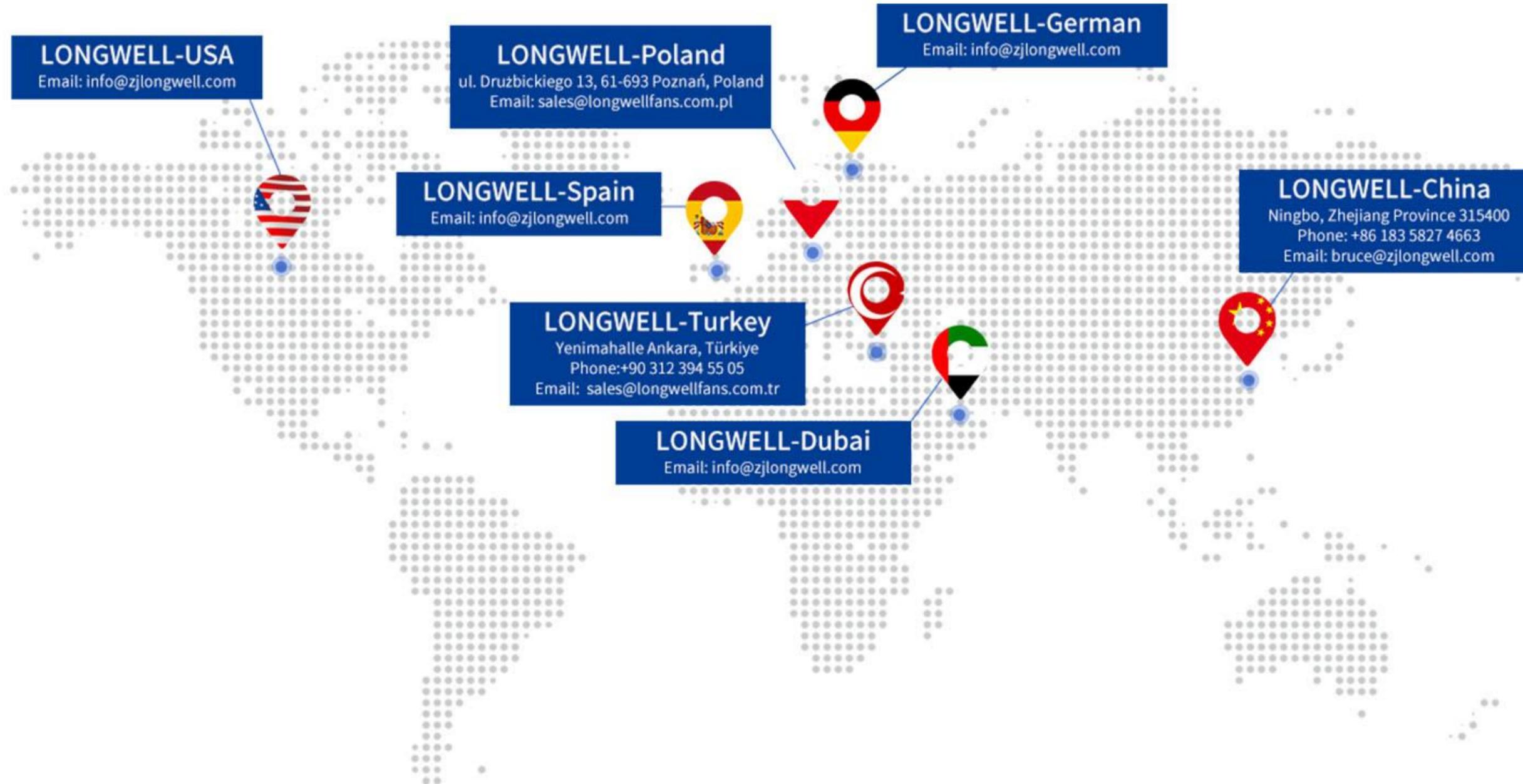
07

Plans to add 3 new companies by 2024: US, Spain, Brazil, Dubai, Italy



# MARKETING NETWORK

Here you will find our sales and production offices worldwide



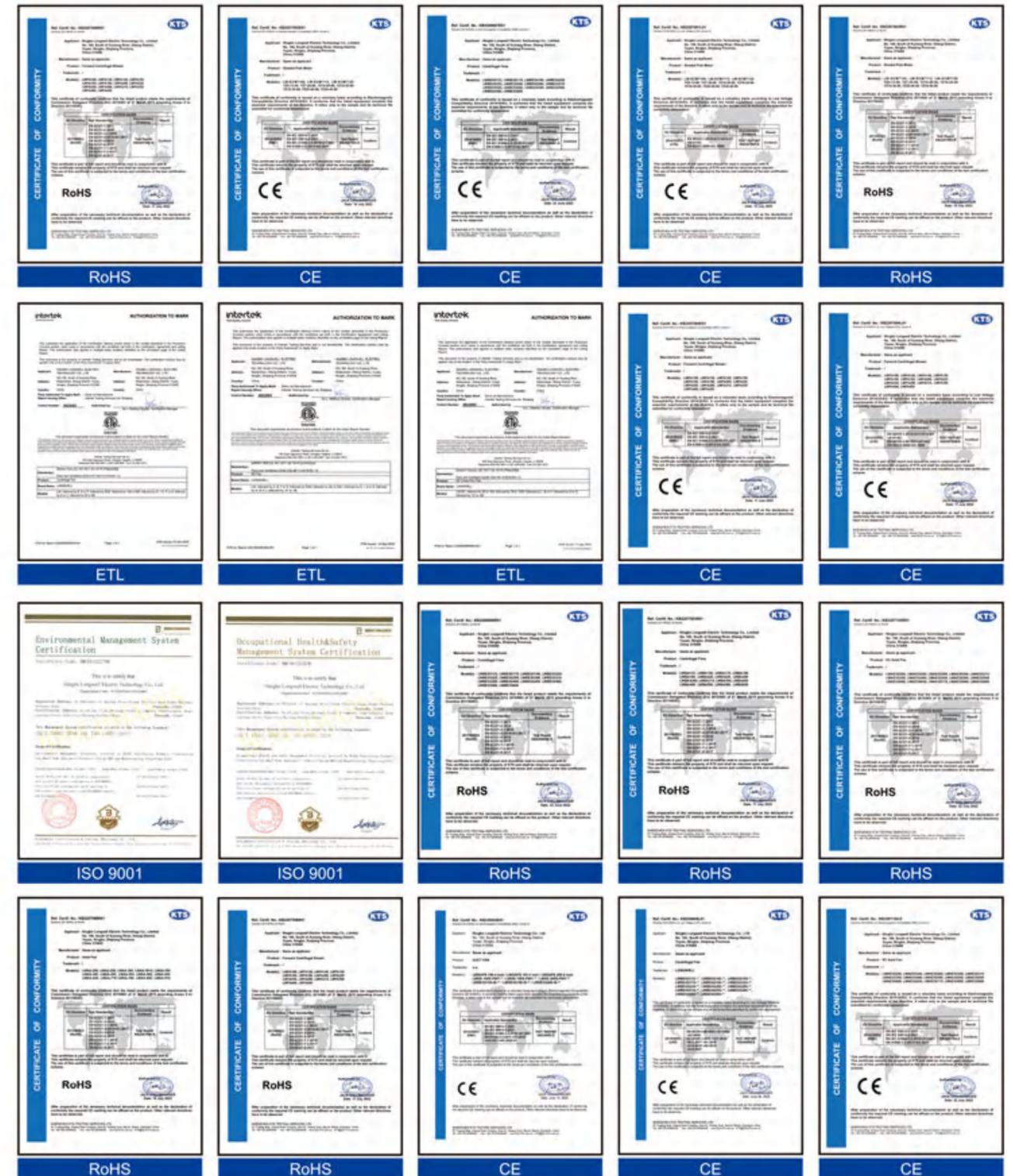
"Born for High-Quality Breathing, LONGWELL Fans Power Your Equipments."

# TESTING AND STANDARDS

- ISO GB/T 19001-2016 idt ISO 9001:2015/GB/T 24001-2016 idt ISO 14001:2015/GB/T 45001-2020 idt ISO 45001:2018
- UL 507:2017 Ed.10+R:27/CSA C22.2#113:2018 Ed.11
- BSCI ANSI C63.4:2014/ANSI C63.4a-2017
- EN IEC 55014-1:2021/EN IEC 55014-2:2021/EN IEC 61000-3-2:2019 +A1:2021  
EN 61000-3-3:2013 +A1:2019 +A2:2021 +AC:2022-01  
EN 60335-2-80:2003 +A1:2004 +A2:2009;  
EN 60335-1:2012 +A11:2014 +A13:2017 +A1:2019+A14:2019 +A2:2019+A15:2021  
EN 62321-1:2013/EN 62321-2:2014/EN 62321-3-1:2014  
EN 62321-4:2014+A1:2017/EN 62321-5:2014/EN 62321-6:2015  
EN 62321-7-1:2015/EN 62321-7-2:2017/EN 62321-8:2017



Enterprise Credit Evaluation Certificate - Highest Level in China



"Born for High-Quality Breathing, LONGWELL Fans Power Your Equipments."

# BUSINESS PARTNER

**TCL**

**GREE**

**YORK**

**euroclima**  
We care for better air

**KAMPMANN**

**Energia**  
energy efficiency & IEQ solutions

**unitux**  
WC

**FRICO**

**Carrier**

**DAIKIN**

**BYD**

**KC**

**КОРУБОИТ**  
НАУЧНО-ПРОИЗВОДИТЕЛЬСКАЯ ОБЩЕСТВЕННАЯ

**500<sup>+</sup>**  
Branding Clients

**Capital Engineering**  
Transnational

**POWER ELECTRONICS**

**systemair**

**IR Ingersoll Rand.**

**Air<sub>2</sub>O** Intelligent cooling  
an ICT Company

**AUX**

**VERANO**  
SUSTAINABLE

**STADLER**

**SIEMENS**

**L.C.I.**  
HVAC

**TSR | ELSITE**

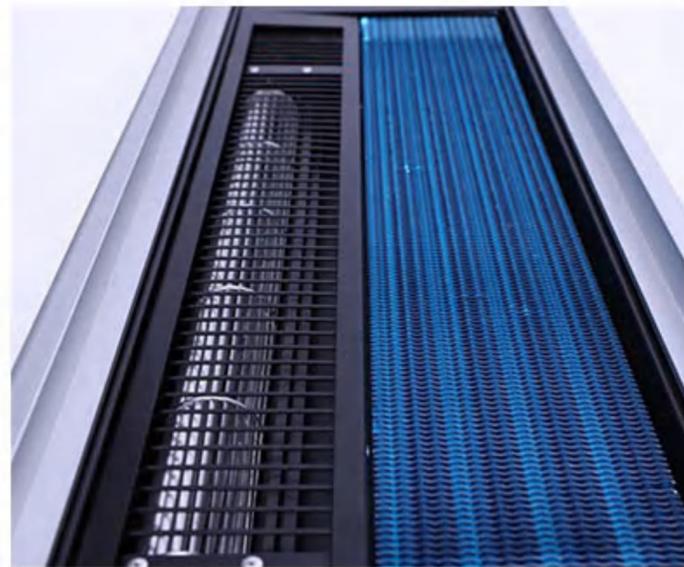
**Robot**

"Born for High-Quality Breathing, LONGWELL Fans Power Your Equipments."

# PROJECT & APPLICATION DISPLAY



Air Purifier System



Floor Heating System



Heating Convector Project



AHU Project



AHU Project



Heating Pump System



AHU Project



Ventilation & Cooling system

"Born for High-Quality Breathing, LONGWELL Fans Power Your Equipments."



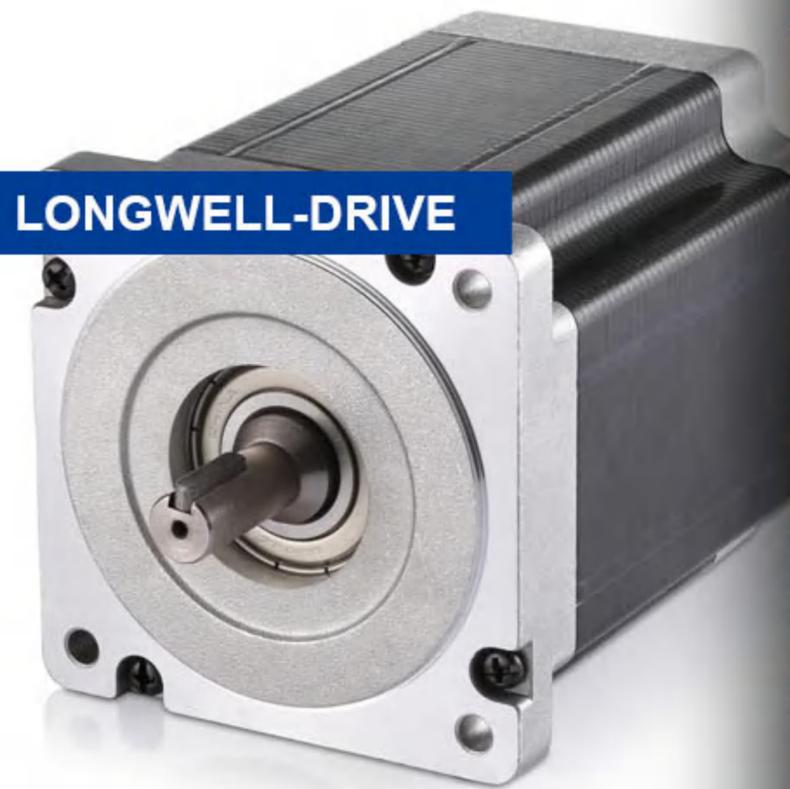
Ningbo Longwell Electric Technology CO.,LTD

# Product & Service

OEM for Well-Known Brands/Supplies Fortune 500 Companies  
Global Technical Support



**LONGWELL-VENTILATION**



**LONGWELL-DRIVE**



**LONGWELL- HVACR EQUIPMENTS**



**LONGWELL- ENERGY**

# LONGWELL-VENTILATION

## PRODUCT CLASSIFICATION



01

### Centrifugal fans

Feature: Robust Airflow Solutions for Effective Ventilation. Sturdy construction and advanced design providing efficient and reliable ventilation for a wide range of industrial and commercial applications

02

### Axial flow fans

Feature: Powerful and efficient air movement capabilities, delivering optimal ventilation across diverse industrial and commercial applications

03

### Cross flow fans

Feature: Uniform and Directional Airflow for Optimal Ventilation

04

### Duct fans

Feature: Substantial airflow while minimizing power consumption, ensuring energy efficiency and cost-effectiveness

05

### Air conditioner fans & Components

Feature: Durable, high-quality raw materials and strong customization, in line with the aerodynamic design, high efficiency and high air volume pressure, ultra-high cost performance

06

### Blowers

Feature: Powerful airflow for rapid drying of floors, carpets, and surfaces. Lightweight and portable design for easy maneuverability



# CENTRIFUGAL FAN

OEM/ODM

- Feature: Robust Airflow Solutions for Effective Ventilation. Sturdy construction and advanced design providing efficient and reliable ventilation for a wide range of industrial and commercial applications
- Diameter of Impeller: 133, 175, 190, 220, 225, 250, 280, 310, 355, 400, 450, 500, 560, 630mm
- Voltage Ranges: AC 115V/230V/380V, DC 24V/48V/80V/310V, EC 115V/230V/380V
- Motor Type: AC/DC/EC External Rotor Motor (30W-5.9KW)
- Air Flow: 200-24000m<sup>3</sup>/h (Static Air Pressure: 400-2100Pa)



**Backward Centrifugal Plug Fan**



**Backward Centrifugal Plug Fan**



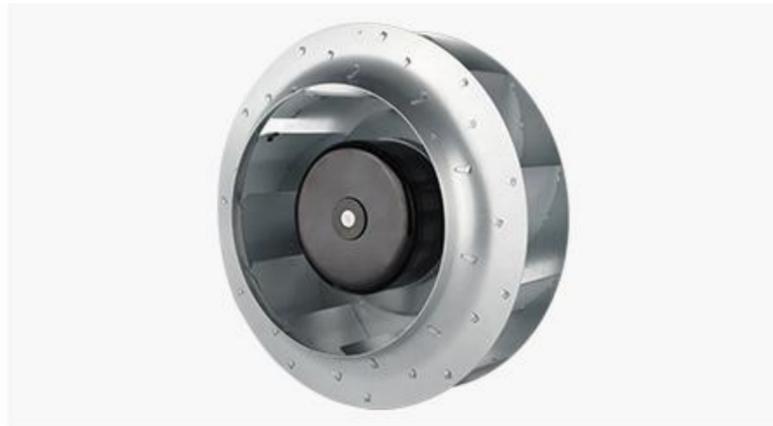
**Backward Centrifugal Fan - BLEC Motor**



**Backward Centrifugal Fan - BLDC Motor**



**Backward Centrifugal Fan - BLEC/DC Motor**



**Backward Centrifugal Fan - BLEC/DC Motor**



**Backward Centrifugal Fan - AC Motor**



**Forward Centrifugal Fan - BLEC/DC Motor**



**Forward Centrifugal Fan - AC Motor**



**Forward Centrifugal Fan - Single Inlet**



**Forward Centrifugal Fan - Dual Inlet**



**Forward Centrifugal Fan - Plastic - Dual Inlet**



**DD Series Blower**



**DD Series Blower - EC Motor**



**Centrifugal Blower-Internal Rotor Motor**



**AT Series Blower - Belt Driven**



**AT Series Blower**



**RDH Series Blower - Backward Curved**



**Centrifugal Blower**



**RLM Series Blower**



**RLM Series Impeller**



**Industrial Centrifugal Blower**



**Air Conditioner Blower**



**Fan-Coil Blower**



- Feature: Powerful and efficient air movement capabilities, delivering optimal ventilation across diverse industrial and commercial applications
- Diameter of Impeller: 195, 200, 225, 250, 280, 300, 350, 400, 450, 500, 550, 600, 630, 700, 800, 900mm
- Material: Plastic/Aluminum Alloy/Cast Iron
- Voltage Ranges: AC 115V/230V/380V, DC 24V/48V/310V, EC 115V/230V/380V
- Motor Type: External/Internal Rotor Motor (AC/DC/EC)
- Input Power: 70W-4400W
- Air Flow: 200-30200m<sup>3</sup>/h

**OEM/ODM**

## **AXIAL FLOW FAN**



AC Axial Fan With Grid



EC/DC Axial Fan With Panel



EC/DC Axial Fan With Panel



AC Axial Fan



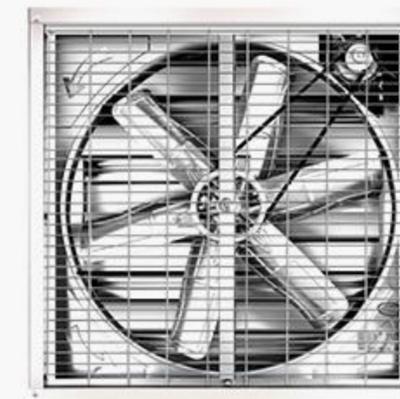
Internal Rotor Axial Fan



Axial Fan



Internal Rotor Axial Fan



Poultry Ventilation Fans



Powerful Axial Blower



Portable Ventilator



Internal Rotor Axial Fan



Axial Cooling Fans

# CROSS FLOW FAN

- Feature: Uniform and Directional Airflow for Optimal Ventilation
- Diameter of Impeller: 25, 30, 40, 43, 45, 50, 60, 65, 80, 90, 100, 110, 120, 150, 180, 200mm
- Material: Galvanized Metal (Housing) / Aluminum Alloy (Blades)
- Voltage Ranges: AC 115V/230V/380V, DC 21V/24V/48V, EC 115V/230V
- Motor Type: BLDC External Rotor Motor / AC Shaded Pole Motor / EC Motor
- Speed Range: Up to 3600 RPM
- Typical Applications: Trench Heaters, Floor Convectors, Heating & Cooling Equipments, etc

OEM/ODM



DC Cross Flow Fan - Single



DC Cross Flow Fan - Double



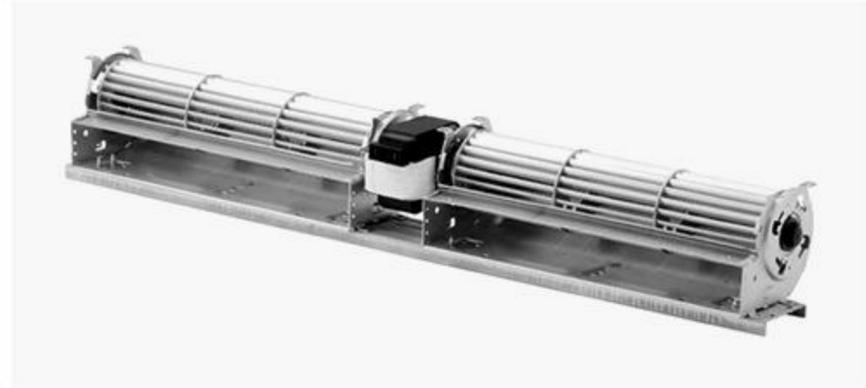
Cross Flow Fan



Cross Flow Fan



AC Cross Flow Fan - Single



AC Cross Flow Fan - Double



AC Cross Flow Fan



EC Cross Flow Fan



Dry Type-Cooling Fan



Elevator Cross flow fans



Elevator Cross flow fans



Cross Flow Impeller



- Feature: Substantial airflow while minimizing power consumption, ensuring energy efficiency and cost-effectiveness
- Material: Metal/Plastic
- Fan Type: Mixed Flow Type/Super Silent Type
- Motor Type: AC Motor/BLDC Motor/BLEC Motor
- Size: 4Inch, 5Inch, 6Inch, 8Inch, 10Inch, 12Inch
- Maximum Flow Value: 200-7100CMH



## INLINE DUCT FAN

OEM/ODM

"Born for High-Quality Breathing, LONGWELL Fans Power Your Equipments."



**EC Inline Duct Fans**



**Super-Silent Type Inline Duct Fans**



**AC Plastic Inline Duct Fan**



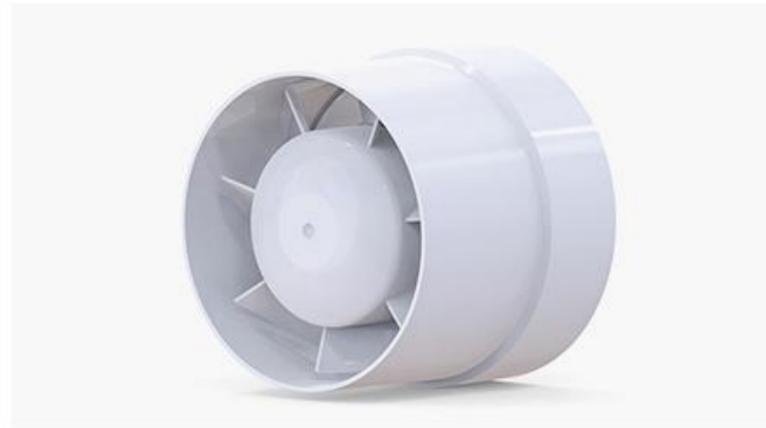
**Metal Inline Duct Fan**



**EC Super Silent Duct Fans**



**EC Mixed Inline Duct Fan**



**PVC Duct Fan**



**Anti-corrosion High Speed Air Exchange Duct Fan**



**Split Duct Fan**



**Straight Through Duct Fan**



**Duct Fan With Square Housing - Backward Fan**



**Duct Fan With Square Housing - Forward Fan**

# FAN FOR RAIL TRANSIT SYSTEM

## OEM/ODM

- Feature: High protection level, vibration resistance, and high-efficiency safety fans are suitable for various transportation equipment and complex working conditions.
- Mainly Application
  - 1. Train Units Air Conditioning System
  - 2. Train Units Heat-Dissipation System
  - 3. Auxiliary Inverter Cooling System
  - 4. Traction Units air Compressor Cooling System
  - 5. Subway Auxiliary Inverter
  - 6. Urban Rail Traction and Auxiliary Inverter



**EC Fan & Blowers**



**Axial Fan**



**Crossflow Fan Product (For Rail Transit)**



**Forward Multi-Wing Centrifugal Fan**



**EC Fan (For Rail Transit)**



**Traction and Auxiliary Inverter Cooling**



# AIR CONDITIONER FANS

OEM/ODM

- Material: Plastic ( ABS,PP,ABS+GF)
- Feature: Durable, high-quality raw materials and strong customization, in line with the aerodynamic design, high efficiency and high air volume pressure, ultra-high cost performance.



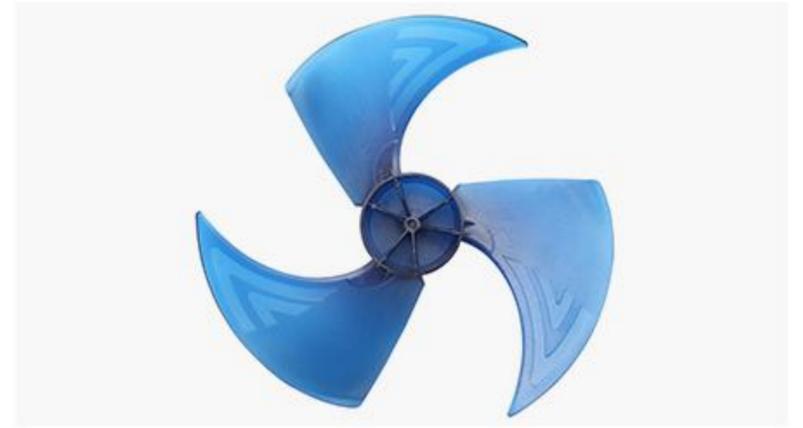
**Cross Flow Impeller**



**Axial Fan Blades**



**Axial Fan Blades**



**Axial Fan Blades**



**Axial Fan Blades**



**Axial Fan Blades**



**Centrifugal Fan Blades**



**Centrifugal Fan Blades**



**Centrifugal Fan Blades**



**Centrifugal Fan Blades**



**Centrifugal Fan Blades**



**Centrifugal Fan Blades**



- Professional experience in One stop solution on tooling & Mould production
- Satisfy the precision mold requirement in wide range industry
- We can do from mold design to manufacturing

# MOULD

OEM/ODM



# ACCESSORIES & COMPONENTS

OEM/ODM

- Feature: Complement your air conditioning system with our high-quality accessories designed to seamlessly integrate with leading air conditioning brands



Bearing Cup



Hub



Bearing and Shaft



Switch



Temperature&Humidity Transmitter



Electromagnetic Switch



Thermostat



Filter Element



Controller



Capillary Thermostat



DC Power Switch



Carbon Filter



- Feature: Powerful airflow for rapid drying of floors, carpets, and surfaces  
Lightweight and portable design for easy maneuverability
- Efficient air delivery for maintaining optimal oxygen levels in ponds or aquariums
- Essential for aquaculture farms, water treatment facilities, and hobbyist aquariums

**OEM/ODM**

## **BLOWERS**



Multi-Wing Centrifugal Fan



Multi-Wing Centrifugal Fan



Multi-Wing Low Noise Centrifugal Blower



Centrifugal Fan (Aluminium Fan)



Drum Blower Fan



Gas Blower



Gas Blower



Floor Dryer Blowers



Air Blower



Oxygenation Blower



Portable Blower



Anti-Corrosion Centrifugal Fan

# LONGWELL-DRIVE

## PRODUCT CLASSIFICATION



01

AC Motors

Feature: Electronic commutation, electronic protection, long lifespan  
Applications: Varies of Fan & Blowers, Actuating Device, Automation Equipments,etc

02

DC/EC Motor

Feature: Electronic commutation, electronic protection, long lifespan  
Applications: Varies of Fan & Blowers, Actuating Device, Automation Equipments,etc

03

Shaded pole motor

Feature: Electronic commutation, electronic protection, long lifespan  
Applications: Varies of Fan & Blowers, Actuating Device, Automation Equipments,etc

04

Servo Motor

Feature: Electronic commutation, electronic protection, long lifespan  
Applications: Varies of Fan & Blowers, Actuating Device, Automation Equipments,etc

05

Air conditioner motor

Feature: Electronic commutation, electronic protection, long lifespan  
Applications: Varies of Fan & Blowers, Actuating Device, Automation Equipments,etc

06

Three-phase induction motor

Feature: Electronic commutation, electronic protection, long lifespan  
Applications: Varies of Fan & Blowers, Actuating Device, Automation Equipments,etc



AC Motors



EC/DC Motors



ECM&Shaded Pole Motors



AC Servo Motor



Servo Motor



DC Gear Motor



Air Conditioner Motor



Air Conditioner Motor



Ultra-high Speed Motor



AC Motor - Aluminum Housing



Three-Phase Induction Motor



Induction Motor

# LONGWELL-HVACR EQUIPMENTS

## PRODUCT CLASSIFICATION



01

### Air curtain

Feature: Advanced design and optimal air flow control, Create a comfortable indoor environment while reducing heating or cooling losses through open entrances.

02

### Fan-coil units

Feature: Comprehensive air conditioning solutions suitable for various building types. Precise temperature control and energy-saving design. Compact size and flexible installation options.

03

### Fresh air ventilator

Air purification, Supply of fresh air, Humidity control, Smart controls, Wide applicability, Customizability.

04

### Ice machine

Easy to operate, thicker foam layer, rapid freezing, automatic cleaning, overheating protection, antibacterial function (customization required).

05

### Condenser

Reasonable structure, high heat exchange efficiency, large air volume, smooth operation, low noise.

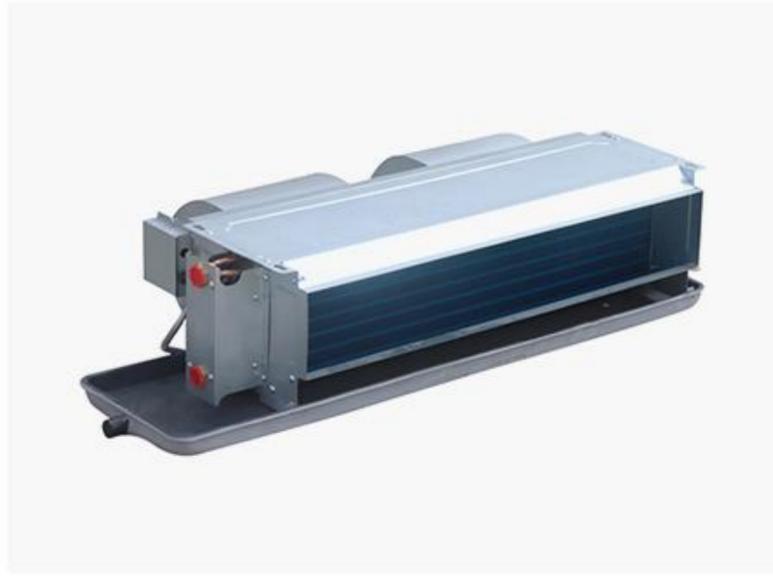
06

### Heating pump

Applications: Hotels, restaurants, shopping centers, schools, etc.



**Air Curtain**



**Fan-Coil Units**



**In-door Air Conditioner Unit**



**Ice Machine**



**Fresh Air Ventilator**



**Air Ventilator Unit**



**Heat Exchange Group**



**Condenser**

# LONGWELL-ENERGY

## PRODUCT CLASSIFICATION



01

PV energy storage system

Integration of Renewable Energy  
Environmental Sustainability

02

Solar panel

Super strong frame/Anti-Crack  
Strength and durability  
12 Years Product Warranty  
30 Years Linear Power Warranty

03

Battery

Strong heat dissipation ability  
Environmental protection  
Long cycle life/High safety  
performance

04

Portable power station

Durability,Portability,Versatility,  
High efficiency,Environmental  
friendliness

05

Solar inverter

Energy conversion,Voltage  
Regulation,High Efficiency,  
Versatility,Reliability

06

Solar air conditioning

AR410A Fluorine-free refrigerant,  
Rapid cooling and heating,Indoor  
unit noise as low as 26 dB



Wind And Photovoltaic Hybrid Power



PV Energy Storage System



Solar Air Conditioning



Solar Rechargeable Fan



Stack battery



Portable Power Station



Wind Energy



Portable Power Station



Solar Charge Controller



Solar Inverter



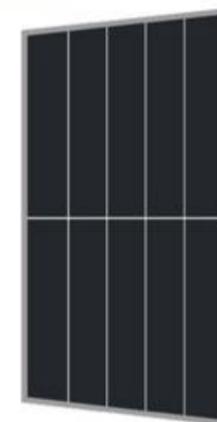
Solar Charge Controller



Solar Inverter



Solar Inverter



Solar Panel



Solar Roof Ventilation Fan

# PACKAGING & SHIPPING



## Sea Shipment

Transportation Time (DAP To Sea Port) : 25- 40 Days



## Air Shipment

Transportation Time (Express) : 5-7 Days  
 Transportation Time (DAP To Air Port) : 3-5 Days



Delivery Time (Samples) : 1- 5 days  
 Delivery Time (Bulk Orders) : 20-35 Days





Ningbo Longwell Electric Technology CO.,LTD

# Contact us

OEM for Well-Known Brands/Supplies Fortune 500 Companies  
Global Technical Support

# CONTACT US

Headquarter: #NO.100, South of Xuxiang River, Ningbo,  
Zhejiang Province, China 315400

Tel: 0086-574-6218 9863

Fax: 0086-574-6218 9863

Phone: 0086 183 5827 4663

Email: SALES@zjlongwell.com | PETER@zjlongwell.com

Website: <https://www.longwellfans.com>  
<https://www.longwell-group.com>  
<https://www.longwell-media.com>



Inquiry Us



Website

# THANK YOU

"Born for High-Quality Breathing, LONGWELL Fans Power Your Equipments."

