

Shaping A Brighter Future for All



Outdoor Enclosures



Battery System



Cooling System



Locking Mechanism

Outdoor Electrical Enclosures

The Integrated Solutions to Meet all the Requirements



About Ningbo Spring



This graphic features a blue background with a city skyline. It includes three icons: a building for '1996 Establishment', a factory for '3+ Manufacturing Facility', and a globe for '30+ Worldwide Distribution Countries'. A text box at the bottom states: 'We offer a comprehensive line of outdoor cabinets and enclosures with our own manufacturing facilities, committed to providing the reliable and sustainable solutions to global clients and partners.'

1996
Establishment

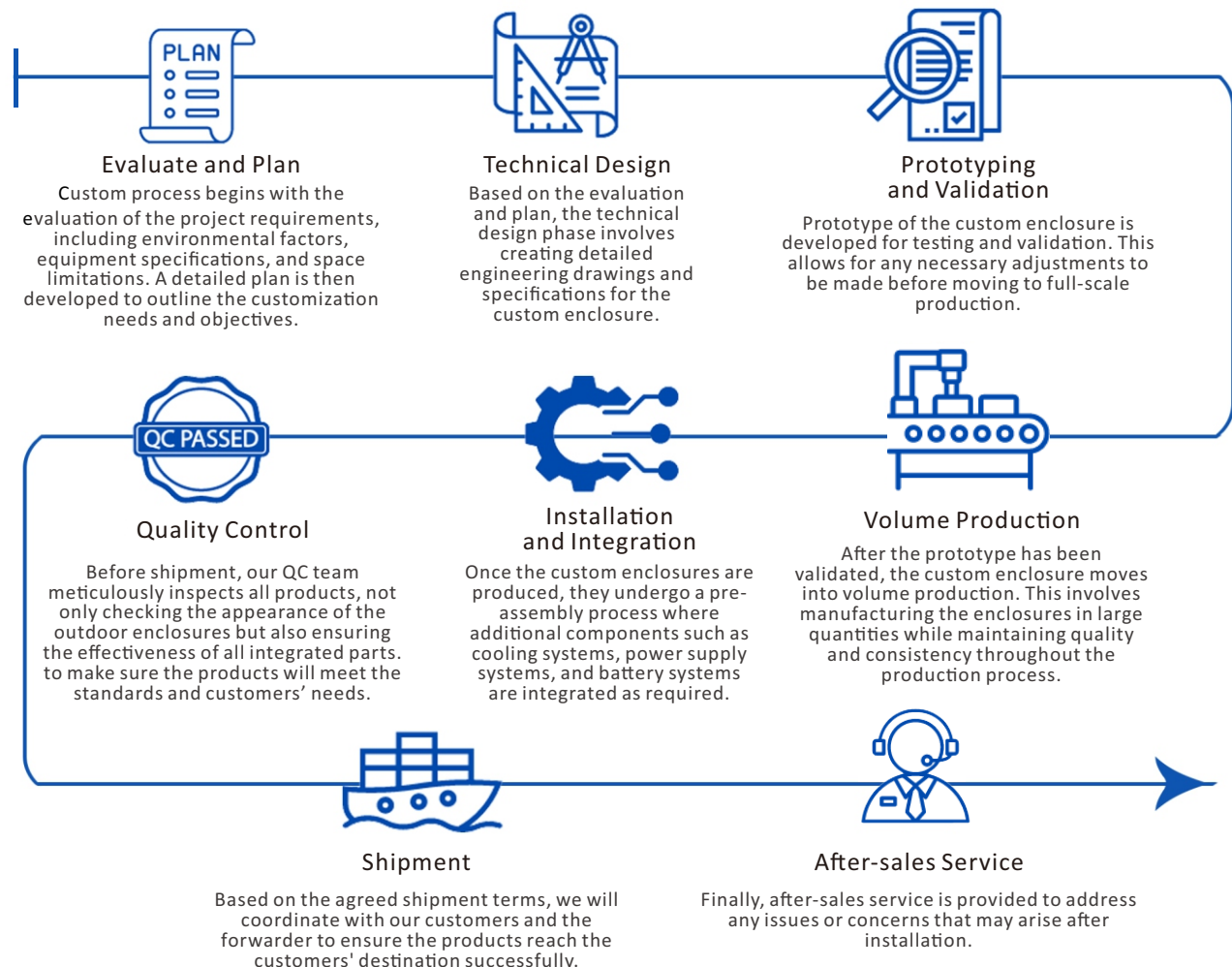
3+
Manufacturing Facility

30+
Worldwide Distribution Countries

We offer a comprehensive line of outdoor cabinets and enclosures with our own manufacturing facilities, committed to providing the reliable and sustainable solutions to global clients and partners.

Custom Your Outdoor Enclosures

As the professional manufacture and supplier of outdoor enclosures, Ningbo Spring can offer your custom enclosure services to suit both your needs as well as budget effectively.



Factors to Consider before Designing

Consider these factors before starting the designing



Enclosure Size

The size of the enclosure is determined by the amount of equipment needed for the application. Additionally, it's advisable to include an extra 10% to 20% of space to accommodate future expansion needs.



Material Selection

Selecting the most suitable material is essential. It must provide adequate protection against environmental factors while also being cost-effective.



Thermal Management

It is necessary to calculate the heat load of internal equipment, as well as the heat caused by the external environment. Based on this calculation, we determine the appropriate cooling system.



Protection Rating

Protection Rating are crucial for ensuring the durability and reliability of the equipment housed within these enclosures.



Locking Mechanism

Locking mechanisms are essential for securing cabinets, especially in outdoor applications. Depending on the security requirements, various locking mechanisms can be employed, from single-point to five-point locking systems, the extra anti-theft rings. And there is an intelligent locking system for you to choose as well.



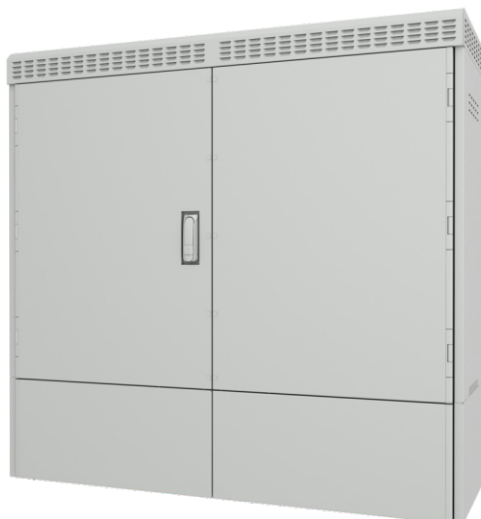
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Floor Mount Enclosures



MFG15 Multi-functional Outdoor Enclosure, Aluminum



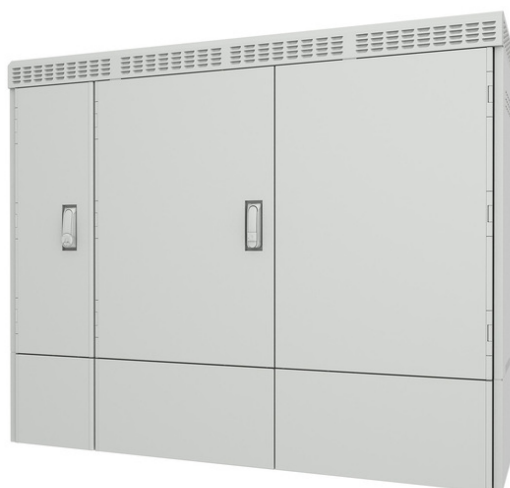
The MFG18 Multi-functional cabinet is a versatile outdoor cabinet system designed to offer unparalleled protection for customer's telecom equipment, safeguarding it against vandalism and extreme weather conditions. Ideal for installations over existing cross-connect cabinets, it facilitates the hosting of both active and passive telecom equipment.

- Two-layer structure, 1 mm thick aluminum outer layer and a 3 mm thick aluminum inner layer.
- External Dimension: H1450*W1700*D500 mm.
- A roof-mounted 100W/k heat exchanger included.
- Protection Level: IP55.
- Locking Mechanism: 3-point locking.

Ordering Information

Part Number	Description
1015001	MFG15 Multi-functional Outdoor Enclosure, Aluminum, IP55

MFG18 Multi-functional Outdoor Enclosure, Aluminum



The MFG18 Multi-functional cabinet is a versatile outdoor cabinet system designed to offer unparalleled protection for customer's telecom equipment, safeguarding it against vandalism and extreme weather conditions. Ideal for installations over existing cross-connect cabinets, it facilitates the hosting of both active and passive telecom equipment.

- Two-layer structure, 1 mm thick aluminum outer layer and a 3 mm thick aluminum inner layer.
- External Dimension: H1500*W2000*D500 mm
- A roof-mounted 100W/k heat exchanger included.
- Protection level: IP55.
- Locking Mechanism: 3-point locking.

Ordering Information

Part Number	Description
1018001	MFG18 Multi-functional Outdoor Enclosure, Aluminum, IP55

Pole Mount Enclosures



ERS6345 Outdoor Baseband Enclosure



This robust enclosure accommodates one RBS6601 device, serving as an outdoor node for 4G mobile networks. Seamlessly integrated with RRU, it delivers efficient data upload and download functionalities for wireless users. Versatile and reliable, ERS6345 is primed for deployment in the global market, ensuring superior connectivity and performance wherever it's utilized.

- Single-layer structure, aluminum 5052.
- External Dimension: H698*W570*D390 mm.
- A door-mounted 50W/k heat exchanger included.
- Protection Level: IP55.
- Locking Mechanism: 3-point locking.

Ordering Information

Part Number	Description
ERS6345	Outdoor Baseband Enclosure

InstaPower Telecom Outdoor Enclosure



The InstaPower Compact is a versatile outdoor cabinet designed for tower and pole mount applications. It offers an integrated power solution, including a motorized ATS, power system, cooling system, batteries, and monitoring. The cabinet is equipped with advanced security features and is easy to install thanks to its plug-and-play design. With its weatherproof protection and compact size, the InstaPower Compact is ideal for a variety of applications, including telecommunications, renewable energy, and remote monitoring.

- Two-layer structure, 2 mm thickness hot dip galvanized as outer layer, and 10 mm thickness thermal insulation foam as inner layer.
- External Dimension: H1291*W750*D720 mm.
- A door-mounted 1000W 48VDC air conditioner included.
- Protection Level: IP55.

Ordering Information

Part Number	Description
23755	26U InstaPower Telecom Outdoor Enclosure

Outdoor Battery Enclosures



22U Outdoor Enclosure, Galvanized Steel, 1.5kW Air Conditioner, IP55



This 22U outdoor enclosure is designed to protect expensive equipment or provide power supply in harsh environments, featuring waterproof and dustproof capabilities. It includes various monitoring sensors such as smoke detectors and access control, enabling real-time monitoring of the cabinet's operational status. The enclosure is also designed for easy expansion: simply remove the top panel of the lower enclosure and the plinth of the upper enclosure to stack them together.

- Single-layer structure, 2 mm thickness galvanized steel.
- External Dimension: H1323xW860xD860 mm, including plinth H150 mm.
- A door-mounted DC rated 1.5kW air conditioner included.
- Protection Level: IP55
- Locking Mechanism: 3-point locking.

Ordering Information

Part Number	Description
02322600001	22U Outdoor Enclosure, Galvanized Steel, 1.5kW Air Conditioner, IP55

38U Outdoor Enclosure, Aluminum, 1.5kW Air Conditioner, IP55



The 38U outdoor enclosure, crafted from durable aluminum, offers high strength and robust protection against vandalism and harsh environmental conditions, all while being lightweight. Equipped with a 1.5kW air conditioner, it is designed to effectively manage the escalating heat load demands at your base station and network edge sites. The inner thermal insulation cotton layer helps to isolate heat from the external environment, improving the efficiency of the cooling system.

- Two-layer structure, 3.2 mm thickness aluminum as outer layer, and 10 mm thickness thermal insulation cotton as inner layer.
- External Dimension: H2000*W1096*D986 mm, including plinth H120 mm.
- Front and rear door access for easy installation and maintenance.
- Protection Level: IP55.
- Locking Mechanism: 3-point locking.

Ordering Information

Part Number	Description
5238010001	38U Outdoor Enclosure, Aluminum, 1.5kW Air Conditioner, IP55

Outdoor Battery Enclosures



42U Outdoor Enclosure, 2kW Air Conditioner, IP55



The 42U outdoor enclosures/cabinets are designed to house a variety of active and passive equipment in outdoor harsh applications. The enclosure adopts a welded sandwich structure, which is very robust and the insulating properties can help improve the energy efficiency and reduce heat and cooling costs. Equipped with a 2kW air conditioner, it ensures adequate climate management inside the enclosure.

- Welded sandwich structure, 2 mm thickness galvanized steel or 1.8 mm stainless steel as the outer layer, 30 mm thickness PU/PIR high-insulation foam as middle layer, and 0.8 mm thickness galvanized steel as inner layer.
- External Dimension: H2250*W860*D860 mm, including plinth H150 mm.
- A door-mounted 2kW air conditioner is included.
- Protection Level: IP55.
- Locking Mechanism: 4-point locking.

Ordering Information

Part Number	Description
2375011000	42U Outdoor Enclosure, Galvanized Steel, 2kW Air Conditioner, IP55
2375011000S	42U Outdoor Enclosure, Stainless Steel, 2kW Air Conditioner, IP55

Multi-bay Enclosures



28U Dual Bay Outdoor Enclosure, Aluminum, 150W Heat Exchanger, IP55



This 28U dual bay outdoor enclosure is designed to protect expensive outdoor equipment or supply power supply in harsh environments, with waterproof and dustproof features. Dual Bay design to provide the adequate space for equipment. Cooling of active equipment is achieved by 150W heat exchanger, along with the vented front door and side door/panel. Various monitoring sensors such as smoke, and access control are installed in the enclosure, allowing personnel to monitor the operation status of the cabinets in real-time. Front door and side door access, convenient for installation and maintenance.

- Single-layer structure, 3 mm thickness aluminum.
- External Dimension: H403*W1400*540 mm, without plinth and top cover.
- A door-mounted 150W/k heat exchanger included.
- Protection Level: IP55.
- Locking Mechanism: 3-point locking.

Ordering Information

Part Number	Description
73021000	28U Dual Bay Outdoor Enclosure, Aluminum, 150W Heat Exchanger, IP55

60U Dual Bay Outdoor Enclosure, with AC or Heat Exchanger, IP55



This 60U dual bay outdoor enclosure features three compartments. The bottom compartment houses 2 strings of 190AH VRLA batteries, ensuring reliable backup power. The left compartment is equipped with a 2kW air conditioner or a 210W heat exchanger to efficiently manage the thermal needs of active equipment. Meanwhile, the right compartment is dedicated to passive equipment such as optical fiber cables. Constructed from aluminum, this enclosure offers robust protection against vandalism and harsh environmental conditions, ensuring the integrity and longevity of your equipment.

- Single-layer structure, 3.2 mm thickness aluminum.
- External Dimension: H1963xW1631xD931 mm.
- A door mounted 2kW air conditioner or 210W/k heat exchanger included.
- Protection Level: IP55.
- Locking Mechanism: 3-point locking.

Ordering Information

Part Number	Description
00030604	60U Dual Bay Outdoor Enclosure, with 210W Heat Exchanger, IP55
000306041	60U Dual Bay Outdoor Enclosure, with 2kW Air Conditioner, IP55

Multi-bay Enclosures



84U Dual Bay Outdoor Enclosure, 2x1kW Air Conditioners, IP55



This 84U dual bay outdoor enclosure/cabinet offers ample space for power, batteries, and other sensitive equipment in a single, convenient unit. Its aluminum construction ensures robust protection against vandalism and harsh environmental conditions. Equipped with two 1kW air conditioners and top-mounted emergency fan unit, the enclosure provides optimal thermal management with high efficiency, ensuring the reliability and longevity of your equipment.

- Single-layer structure, 3 mm thickness aluminum.
- External Dimension: H2100xW1600xD900 mm, including the top cover and plinth.
- Two door-mounted 1kW air conditioners included.
- Protection Level: IP55.
- Locking Mechanism: air mechanical locking.

Ordering Information

Part Number	Description
2375011000	42U Outdoor Enclosure, Galvanized Steel, 2kW Air Conditioner, IP55

22U Outdoor Enclosure, Stainless Steel, 1.5kW Air Conditioner, NEMA 4



This 22U outdoor enclosure is designed to protect expensive equipment or provide power supply in harsh environments, featuring waterproof and dustproof capabilities. It includes various monitoring sensors such as smoke detectors and access control, enabling real-time monitoring of the cabinet's operational status. The enclosure is also designed for easy expansion: simply remove the top panel of the lower enclosure and the plinth of the upper enclosure to stack them together.

- Single-layer structure, 2 mm thickness stainless steel.
- External Dimension: H1323xW860xD860 mm, including plinth H150 mm.
- A door-mounted 1.5kW air conditioner included.
- Protection Level: NEMA 4
- Locking Mechanism: 3-point locking.

Ordering Information

Part Number	Description
02322650001	22U Outdoor Enclosure, Stainless Steel, 1.5KW Air Conditioner, NEMA 4

Contact Us



+86 135 6788 7100



support@nbspringsystem.com



nbspringsys.com



818 Qiming RD, Yinzhou District, Ningbo,
Zhejiang Province, 315105, P.R China



Ningbo Spring System Integration Co., Ltd.

