

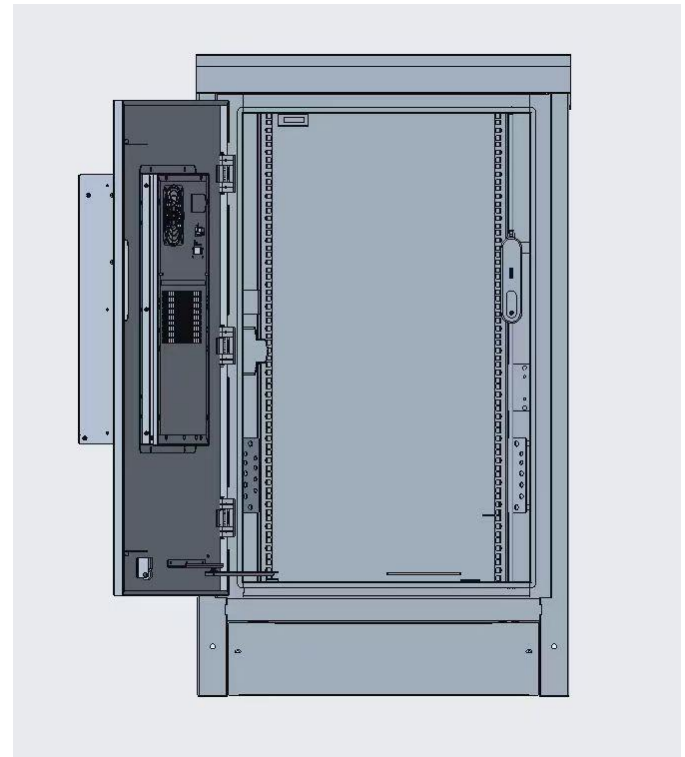
YKW series outdoor cabinet

Intro

YKW series outdoor cabinets are widely used in 5G outdoor base stations, ETC stations, outdoor energy storage and other scenarios. The outer height of the cabinet is 900mm~2100mm, and the inner height is 600mm~1800mm. It can have built-in power supply, base station main equipment, lithium battery, lead-acid battery and so on.

Features

- The surface is galvanized and treated with a special outdoor powder coating process, which can effectively prevent rust and corrosion, thereby extending the service life..
- The cabinet door adopts the built-in structure, there is no disassembling screw outside, and the three-point structure mechanical lock has strong anti-theft.
- Semi-embedded industrial air conditioning refrigeration, 50mm PU insulation board design, excellent cooling and heat insulation performance.
- Precision structure design, anti-tightening sealing strip, effective waterproof.
- Temperature and humidity monitoring device remotely connected via RS485 interfaces, when the temperature in the cabinet is too high, controller cut off all power supply to the load.
- Cabinet and cooling system more than 10 years long life design

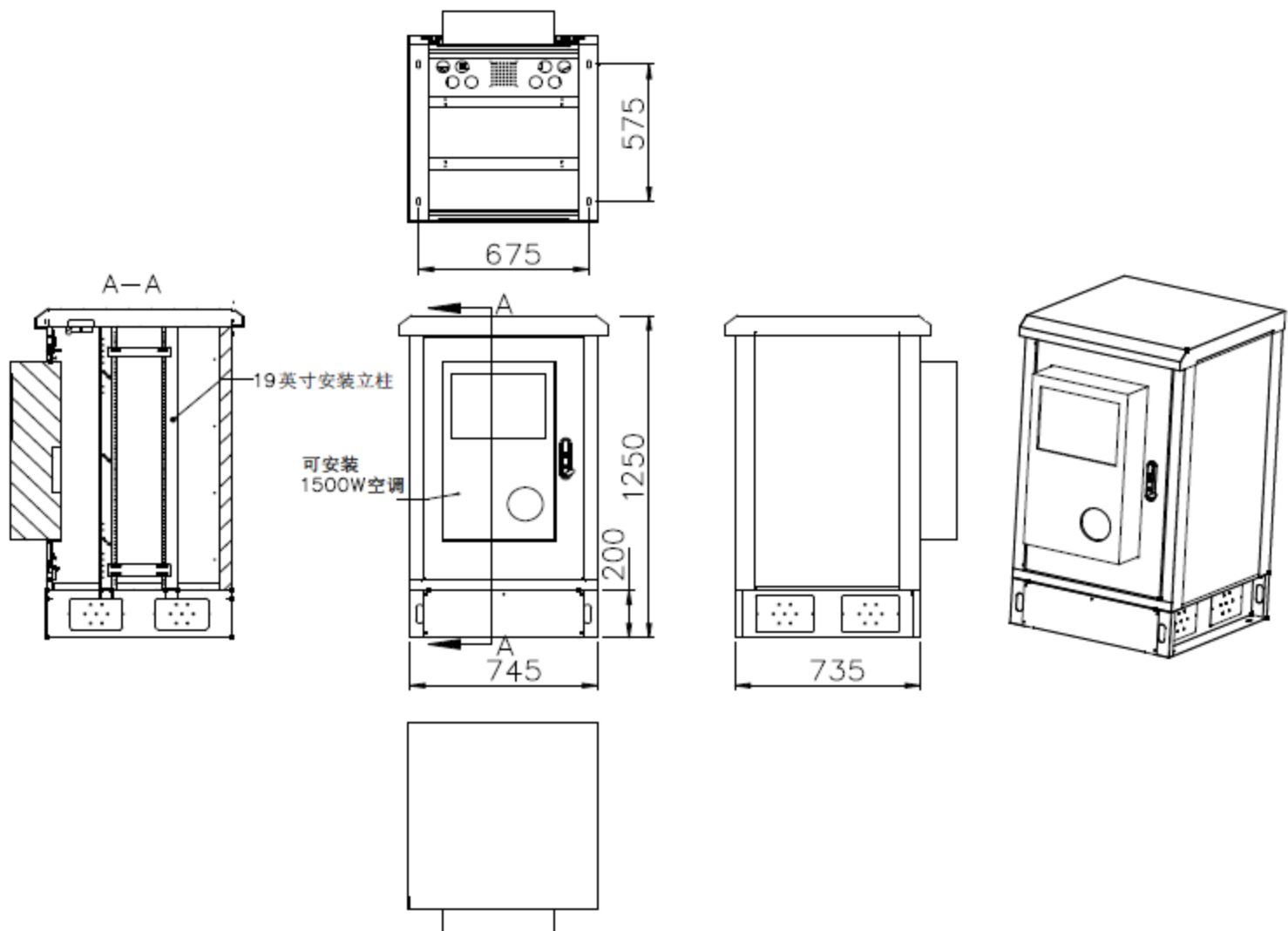


YKW-1257575 Parameters

Items	Description
Model Number	YKW-1257575
External dimensions (W x D x H)	750 mm × 750 mm × 1250 mm
Inside dimensions (W x D x H)	650 mm × 650 mm × 950 mm
Equipment space	19 "standard mounting rack, 20U space, 10U space for telecommunications equipment
Cabinet material	1.5mm galvanized steel frame +PU sandwich board
Mounting method	Floor mounting, base fixed by M12 expansion screws, 2.0mm thick steel plate
Thickness of thermal insulation cotton	50mm, outside layer 1.2mm, inner layer 0.45mm
Load-bearing	1000Kg
Maintenance method	Pre-Maintenance
Installation method	Floor mount
Wiring method	Bottom in/out with 8 holes of $\varnothing 30$ mm, Optional outdoor industrial socket 230V, 1 phase 3 pole, current 40A, connected to interconnector via cable (cable cross section M10).
Cooling mode	Compressor air conditioner 1500W+, The capacity of the cooling system ensures the temperature in the cabinet is reduced to <7 degrees Celsius compared with the ambient temperature. when the ambient temperature condition is ≥ 29 degrees Celsius and the load is <1000W.
Air conditioning power supply mode	DC 48V, The Aircon uses 48V(42Vdc to 57Vdc) DC power supply, when the AC power supply fails, its power by the battery.
Operating temperature range	-40 °C ~ 55°C
Level of protection	IP55, exhaust air filter design, can prevent insects, rats and pests from invading.
Other configurations	Fire smoke alarm, access control LED light (open door light), temperature sensor (2)
Accessory kit	Warning wire, ground wire, bolts, screws, heat shrink tubes, labels, etc
Anti-theft design	Cabinet cannot be removed from the outside, 3-point linkage lock, lock protection structures to ensure protection from outside intrusion, and latches on the doors. The door is mounted on the door with heat-resistant rubber shims to ensure tightness and durability.
Temperature controlled design	The air circulation design of the air conditioner ensures that the temperature difference between points in the cabinet is less than 5 degrees, The backup cooling system uses ventilation fans to meet the high air volume exchange with the outside . The outlet damper is equipped with a switch mechanism to prevent the loss of cold air in the cabinet when the exhaust fan system is not running.



YKW-1307575 Structure Diagram



Description: The size for reference only, according to the project situation may be adjusted.

In the bottom 8 \varnothing 30 mm holes (along the cabinet on both sides and the front line), and with anti-scratch rubber gasket, cable from the bottom up into the line, power line and signal line separate, and have a fixed cable position. Install 2 ground copper bars (35mm) and 8 connection holes in the cabinet with pre-installed screws (one for lightning protection and another one for connecting DC devices). All metal components are grounded to the main ground of the cabinet.

Modular design: base, top cover can be disassembled and installed, each part less than 50kg.

The top cover is 3cm larger than the sides of the cabinet, and the 4 sides can be customized, The roof has a slope and a flat surface to ensure no water accumulation; Roof solutions to limit direct sunlight (when deployed at stations without roofs, there is a mechanism to install additional protective covers on the outside of the enclosure)

The aluminum-zinc alloy coated steel meet with JIS G3312 standard.

The cabinet is of a self-standing vertical placement structure. The base is equipped with fixing bolts, which can firmly fix the cabinet to the ground.

2 temperature sensors to be installed in any 2 positions in the cabinet and control the cooling system. The accuracy and display accuracy of the temperature monitoring sensors are as low as 0.1 degrees Celsius(optional)