

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 use of special outdoor powder spray paint treatment, rust, corrosion, prolong 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 (>45kg/m³) insulation board design, excellent cooling and heat insulation performance.
- The galvanized steel meets the JIS G 3312 standard
- Precision structure design, anti-tightening sealing strip, effective waterproof.
- Air conditioning power off strong exhaust design, double cooling guarantee.
- The cabinet and rack frame can be disassembled for easy handling in special scenarios
- More than 10 years long life design
- The frame is constructed of steel/alloy bars to ensure strength. bear Okay load weight dark minimum 600 kg. total set conclude structure
The cabinet frame can only be removed from the inside of the cabinet

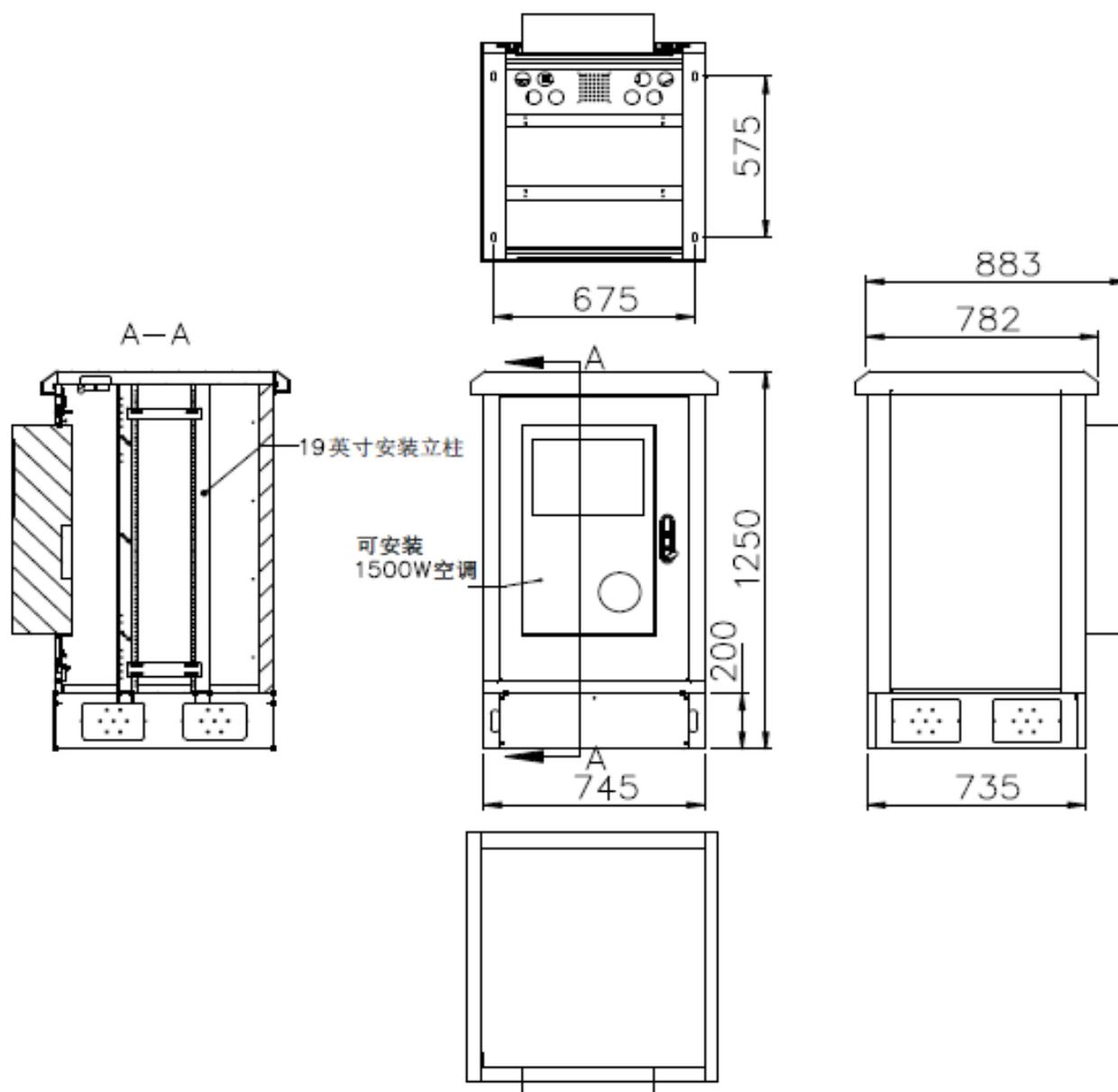


YKW-1257575 Parameters

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
Cabinet material	1.2mm cold-rolled steel frame +PU sandwich board+1.5mm rack frame
Mounting method	Floor mounting, base fixed by M12 expansion screws, 2.0mm thick steel plate
Thickness of thermal insulation cotton	50mm
Maintenance method	Pre-Maintenance
Installation method	Floor mount
Wiring method	Bottom in top out
Cooling mode	Compressor air conditioner 1500W+ fan strong bar
Air conditioning power supply mode	Standard AC air conditioner, optional DC air conditioner (DC battery backup after AC power failure)
Operating temperature range	-40 °C~55°C
Level of protection	IP55, exhaust air filter design
Other configurations	Fire smoke alarm, access control, oil engine socket interface, 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
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



YKW-1307575 Structure Diagram



Structure introduction

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

The bottom of the wire into the standard with 8, rubber mat protection, there are special requirements can be customized.

Modular design: The cabinet and rack frame can be disassembled for easy handling in special scenarios, The maximum weight of each module is 50 kg

The standard design of the top cover is 4cm, and the 4 sides can be customized

1 LED light on the ceiling, lights up when the door is opened.

Installation accessories: connector, warning wire, ground cable, bolts, screws, heat shrink tubing, labels...

Structure introduction

Equipment mounting depth $\geq 560\text{mm}$.

8 holes with a size of $\varnothing 30$ with scratch-resistant rubber gaskets, Cables are imported station from side below go up, cable source and cable credit effect private separate, with cable holding position.

02 copper grounding bars 08 cable connection holes (35mm) with pre-fixed screws on bar with according to Okay install in cabinet machine (01 bar give lightning protection, 01 bar for connecting DC devices).

All metal parts are grounded together with the main ground bar of the cabinet.

The cabinet roof has a larger area than the cross-section of the cabinet body (each side of the cabinet roof must be at least 3 cm larger than each side of the cabinet body).

The roof has a slope and a flat surface to ensure no water stagnates;

Reserved mechanism to install an additional shield outside the shell.

The door is tight and secure with a 3 points lock, with a lock protection structure to ensure against intrusion from the outside. The door has a latch. The door uses heat-resistant rubber gaskets mounted on the cabinet wall or above wing cabinet, sure tell degree private close and degree durable home contractor tissue

1-phase, 3-pole outdoor 40A industrial socket in install on the door

The capacity of the cooling system ensures cooling for all equipment installed inside the cabinet with a total load of 1kW generating heat and lowering the temperature inside the cabinet to $< \text{ }^\circ\text{C}$ compared to the ambient temperature under the condition that the ambient temperature is $\geq 29 \text{ }^\circ\text{C}$

The cooling system have an alternating cooling mode, with the ability to automatically adjust the cooling fan when the temperature in the cabinet falls below the set temperature threshold to ensure the life of the air conditioner.