

Integrated Solution Quick Installation Guide

1. Overview

The appearance and the components of the SmartCabinet are shown in Figure 1-1.



Figure 1-1 Appearance and components of the SmartCabinet

2. Quick Installation Guide

After the product arrives, follow this quick installation guide for operation. If you want to know specific descriptions and detailed installation diagram, refer to SmartCabinet

Integrated Solution User Manual.

2.1 Installing Cabinet Kit

- Loosen the fixing nuts on the four feet bolts to raise the feet, and the four casters will bear the weight. Place a slope (user-provided) in front of the front or rear door, and connect it to the pallet. Push the cabinet slowly from the pallet down to the ground along the slope, as shown in Figure 2-1.

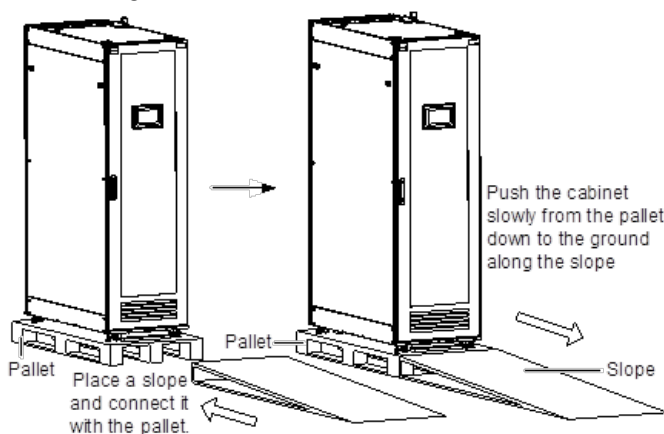


Figure 2-1 Remove from the pallet

- Place the cabinet in the desired position, and adjust the feet fixing nuts until the cabinet is level.

2.2 Installing Air Conditioner Kit

In field, you need to install the outdoor unit and pipes of the air conditioner. There are two installation modes: normal installation and installation at top of the cabinet. For the installation at top of the cabinet, specific descriptions and detailed installation diagram, refer to SmartCabinet

Integrated Solution User Manual. The normal installation mode of the air conditioner outdoor unit is as follows:

- Confirm the installation position of the outdoor unit in field, and place the outdoor unit on the base (or tripod). See Figure 2-2 for the requirement on distance from the inlet and outlet side of the outdoor unit to the wall.
- Use expansion bolts to fix the outdoor unit on the base.
- Connect copper pipes. The connecting copper pipes of the indoor and outdoor units are delivered with the accessory box. You need to connect them in field. Follow industry standard in selection and placement of pipe, system evacuation and charging with refrigerant (only when pipeline is too long).

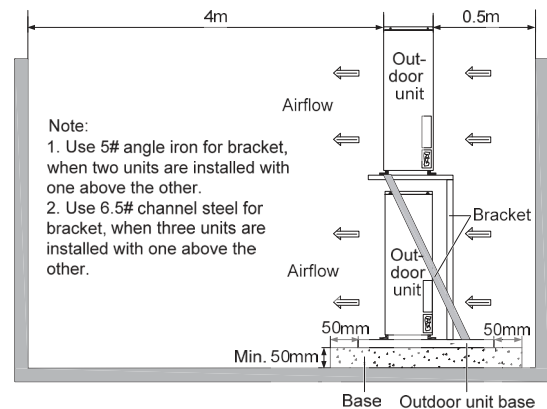
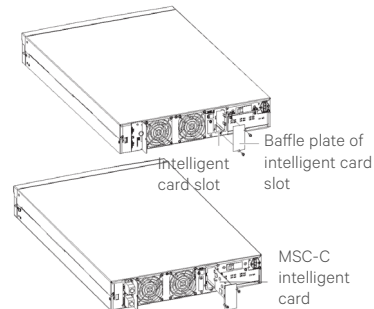


Figure 2-2 Normal installation of the outdoor unit

2.3 Installing MSC-C Card

Insert the MSC-C card into the intellislot intelligent card slot of the UPS, and use screws to fix it, as shown in Figure 2-3.



Note: For Asia-Pacific version, the MSC-C intelligent card has already been installed before delivery

Figure 2-3 Installing MSC-C card

2.4 Installing Wireless Modem (Option)

- Connect the wireless Modem to the USB port of the MSC-C card.
- Absorb the wireless Modem aerial that contains magnet on the bottom plate in hot aisle, as shown

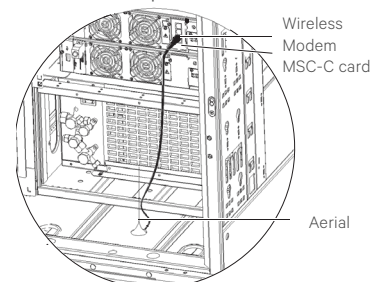


Figure 2-4 Installing wireless Modem

2.5 Adjusting Microswitch

Before delivery, the microswitch on the front / rear door retracts back to the cabinet and does not contact with the front / rear door, therefore, you need to adjust the position of the microswitch before startup in field.

- Loosen the two fixing screws on the microswitch metal kit.
- Adjust the metal kit to the direction shown in Figure 2-5, ensure that the opening and closing of the front / rear door can trigger action of the microswitch, as shown in Figure 2-5.

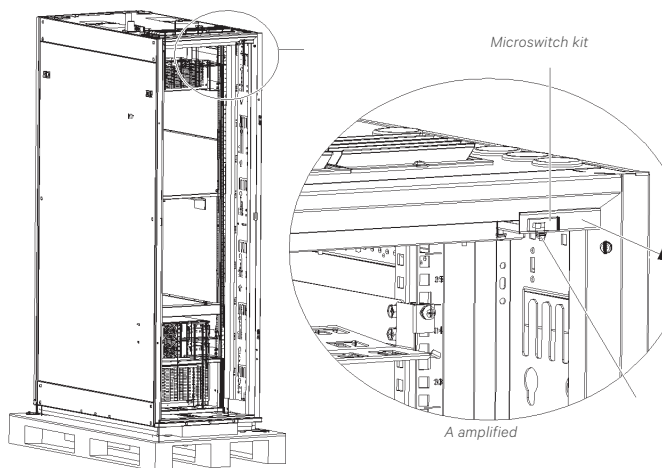
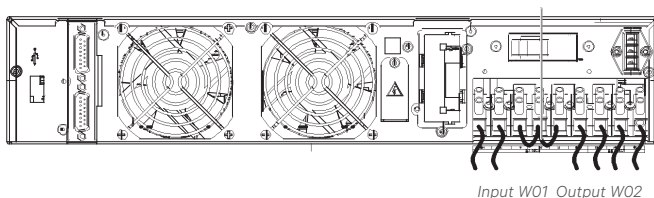


Figure 2-5 Adjusting microswitch

2.6 Connecting Cables

a. Connecting UPS Cables

Connect input and output cables of the UPS, as shown in Figure 2-6.

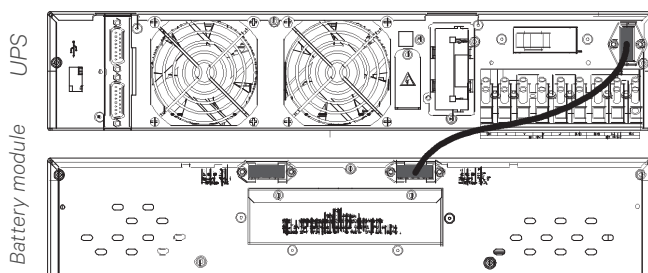


Note: For Asia-Pacific version, the UPS cables have already been connected before delivery.

Figure 2-6 Cable connection for single-in and single-out

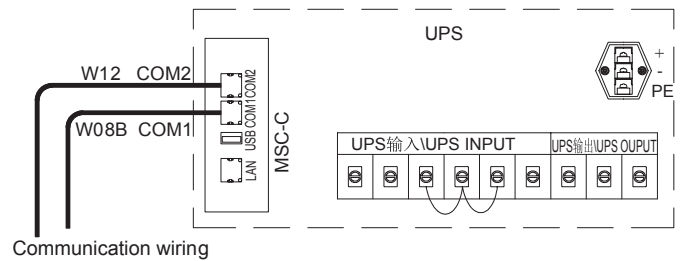
b. Connecting battery cable

Take out battery cable A from the UPS accessories, connect the red, black and yellow terminals on one end of battery cable A with the corresponding terminals of the battery port on the rear panel of the UPS, and connect the other end with any battery port on the battery module, as shown in Figure 2-7.



c. Connecting MSC-C Cable

- Connect the cable W08B to the COM1 port of MSC-C card, and connect the cable W12 (COM2) to the COM2 port of MSC-C card



Communication wiring

Note: For Asia-Pacific version, the MSC-C cables have already been connected before delivery.

Figure 2-8 Cable connection of COM port of MAC-C card

- Use a straight network cable to connect the LAN port of MSC-C card to the user local network, and you can monitor the SmartCabinet system through the Web page.

d. Connecting Total Input Cable Of System

- Press and connect OT terminal (accessory) on the cable end.
- Open the cover plate on the back of the PMU, connect the made cable to the total input position on the PMU connecting terminal block, as shown in Figure 2-9.

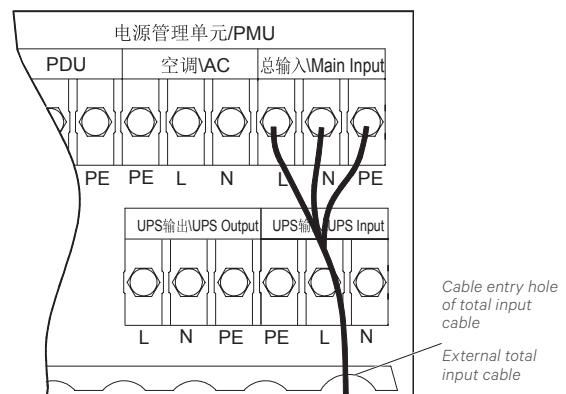


Figure 2-9 Connecting total input cable

- Place the cable into the cable entry hole of total input cable, and restore the cover plate

e. Connecting Cables Of Indoor And Outdoor Units

Lead the signal cable and the power cable of the indoor unit through the cable entry hole on the cover plate. For signal cable, just connect the cable connector led out from the indoor unit with that lead out from the outdoor unit. For power cable, connect it to the corresponding terminal stud on the outdoor unit according to the cable label, as shown in Figure 2-10.

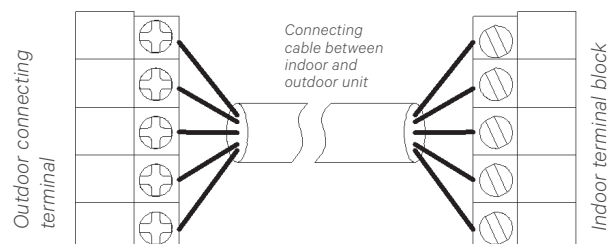


Figure 2-10 Connecting power cable of outdoor unit

f. Connecting Earth Cable

There is an earth hole with an earth label on the bottom of the rear door of the cabinet. When earthing, use a M6 screw to fix one end of the earth cable on the earth hole, and lead the other end through the rubber protective ring on the bottom plate to the earth copper bar, as shown in Figure 2-11.

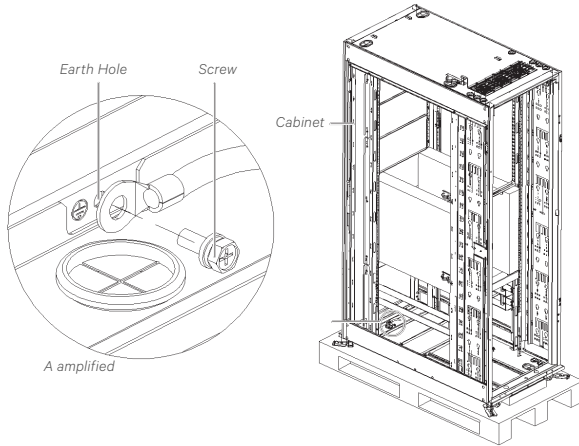


Figure 2-11 Connecting earth cable

If there is no earth block in the building where the SmartCabinet is placed, you can use a yellow-green earth cable with no less than 6mm² to connect the earth terminal of cabinet with that of PMU total input, to ensure reliable earthing of the cabinet.

3. Startup Operation

After the system installation is finished, you can perform startup operation. For detailed startup procedures, refer to SmartCabinet Integrated Solution User Manual. The startup of the SmartCabinet system must be completed by trained and authorized professionals, and personnel from Emerson customer center are recommended.