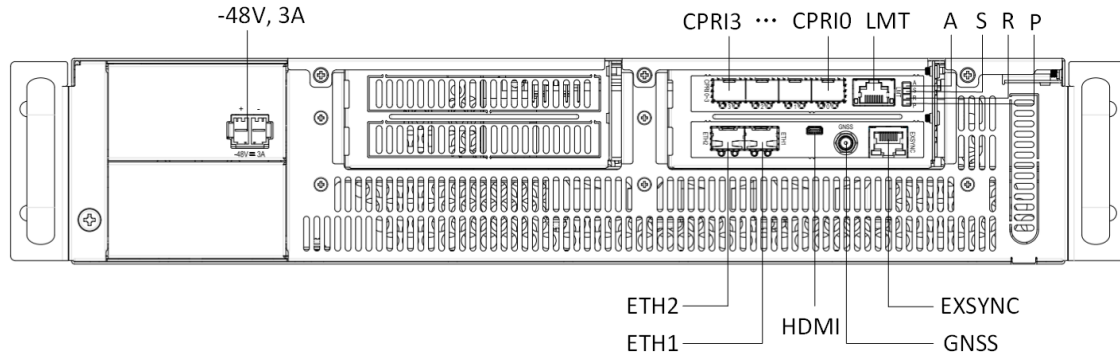


BU152X BBU

Quick Start Guide

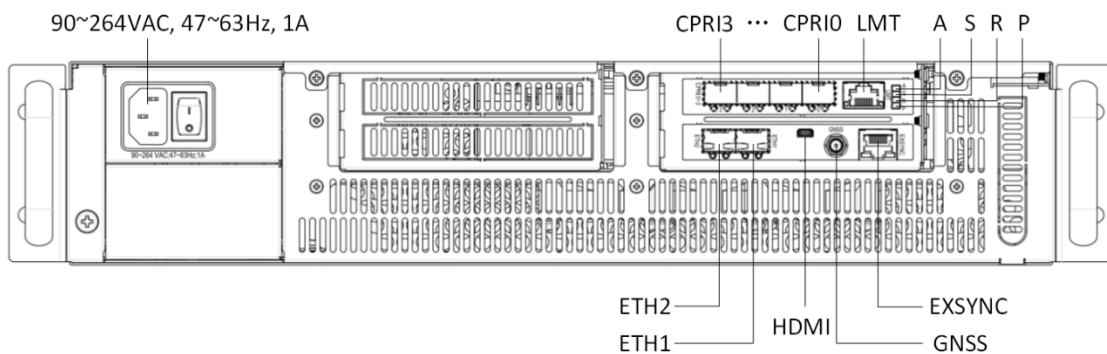
Document Version: 02

1. Product Appearance



Interface Description for BU1520 (DC Powered)

-48V, 3A	DC power interface, connected to -48VDC power supply
CPRI0~CPRI3	optical ports 0~3, downlink connection to HUB or RRU
LMT	Gigabit Ethernet (RJ-45) port for equipment debugging
ETH1/ETH2	10-Gigabit Ethernet (SFP+) ports for uplink connection to core network
HDMI	Reserved, for testing only
GNSS	External GPS antenna port, SMA female connector
EXSYNC	Reserved, for synchronization testing only



Interface Description for BU1521 (AC Powered)

90~264VAC, 47~63Hz, 1A	AC power interface, connected to 90~264VAC power supply
CPRI0~CPRI3	SFP+ optical ports 0~3, downlink connection to HUB or RRU
LMT	Gigabit Ethernet (RJ-45) port for equipment debugging
ETH1/ETH2	10-Gigabit Ethernet (SFP+) ports for uplink connection to core network
HDMI	Reserved, for testing only

GNSS	External GPS antenna port, SMA female connector
EXSYNC	Reserved, for synchronization testing only

BU1520/1521 BBU 指示灯描述

A(LM)	Red	Steady On	Critical alarm exists on device
		Steady Off	No alarm or all alarms cleared
S(YNC)	Green	Steady On	GPS synchronization successful
		Steady Off	GPS out of sync
R(UN)	Green	Steady On	Device powered on and running normally
		Fast Flashing (0.125s on, 0.125s off)	Software loading in progress
		Slow Flashing (0.125s on, 0.125s off)	Cell activated
P(WR)	Green	Steady On	Device powered on
		Steady Off	Device powered off

2. BBU Installation

2.1 Unpacking Inspection

Before opening the carton, check that the package is intact without severe damage or water soaking. Do not apply excessive force or impact internal components during unpacking to avoid device damage.

After unpacking, verify that the delivered device matches the packing list.

2.2 Pre-Installation Preparation

A Phillips screwdriver is required for installation and shall be prepared by the customer. All other accessories are delivered together with the unit.

Prior to installation, confirm the rack mounting position is ready and no obstacles around the rack block installation operations.

2.3 Installation Requirements

Ensure heat dissipation vents at the installation position are unobstructed.

Ambient temperature and humidity must comply with the device's normal operating specifications; the site shall be dry and well ventilated.

Do NOT install the device near intense heat sources, locations with water leakage or dripping, areas with strong electromagnetic interference, corrosive equipment, or flammable & explosive premises.

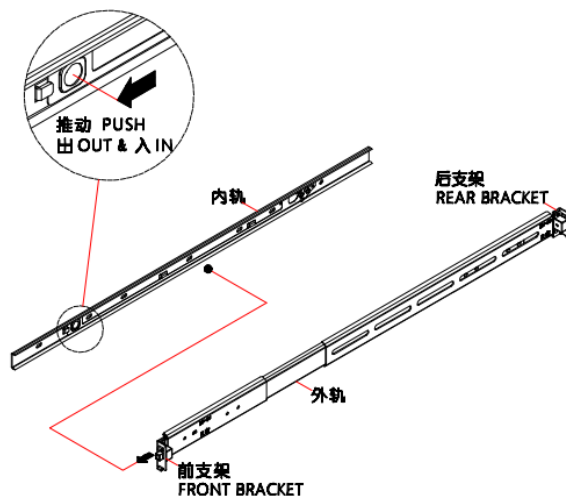
2.4 Optional: 19-inch Rack Mounting

The BU152X series BBU is a standard 1U 19-inch rack-mounted server with front cable routing design. Mounting brackets are pre-installed on both sides at factory delivery.

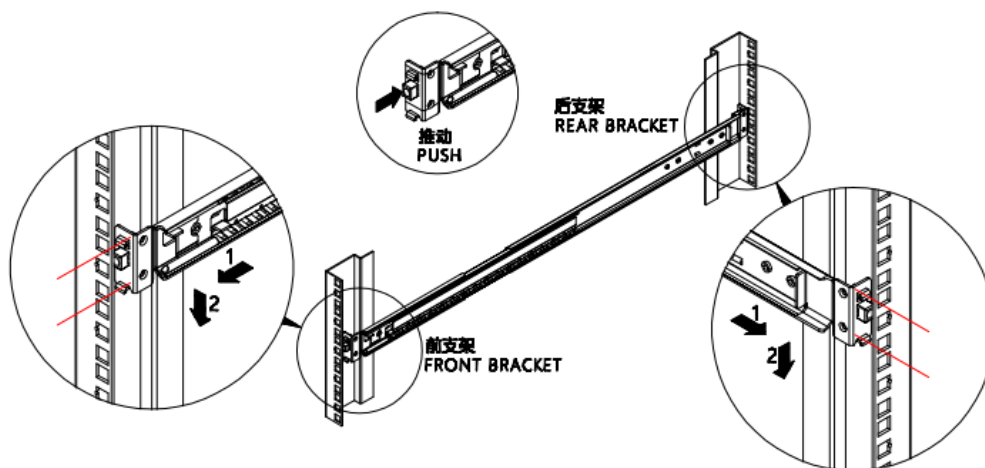
Customers may place the unit directly on a flat, stable surface with no risk of falling, such as a desktop.

If rack mounting in a standard 19-inch cabinet is required, a slide rail kit shall be purchased separately, and follow the steps below:

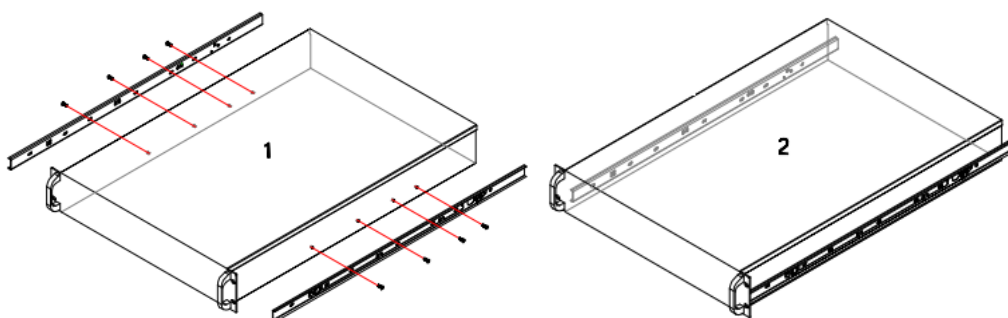
1. Pull out the slide rails.



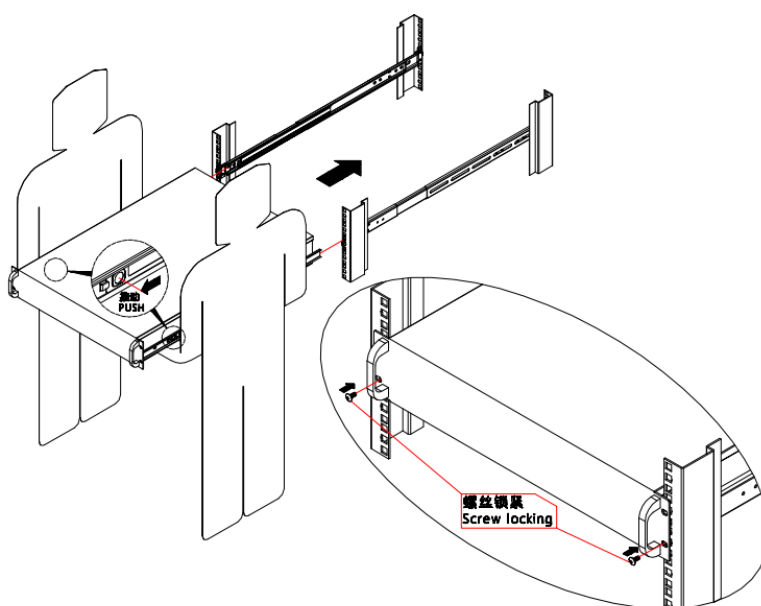
2. Mount outer rails to the rack via front and rear brackets.



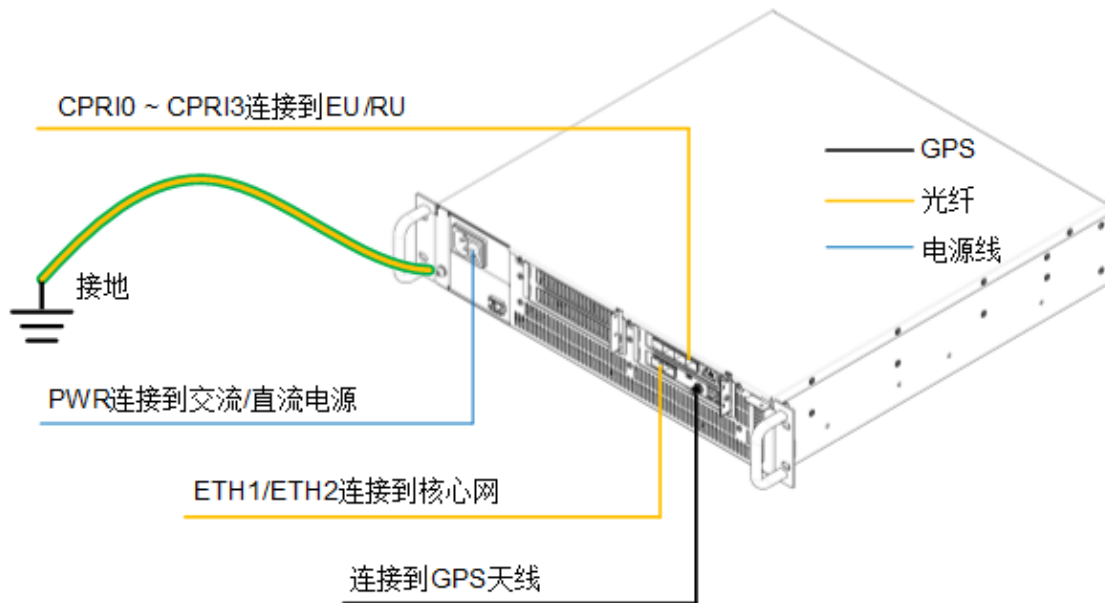
3. Secure inner rails to both sides of the device with screws.



4. Two operators are required to place the chassis into the installed outer rail slides due to heavy unit weight.



2.5 Cable Connection Instructions



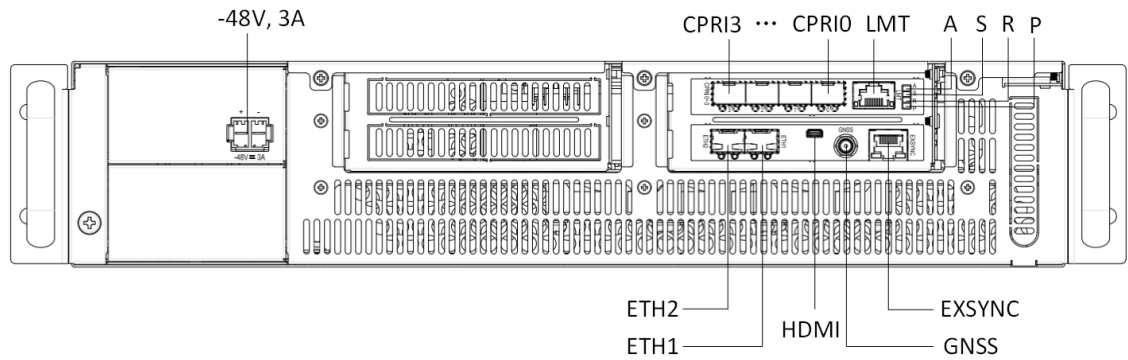
Note:

1. BU1520 adopts DC power supply, while BU1521 adopts AC power supply. Connect to the corresponding power source according to the device model.
2. If only one EU/RU is connected, use CPRI0 first. If multiple EU/RU units are deployed, use CPRI0, CPRI1, CPRI2, CPRI3 in sequence.

2.6 Power-On

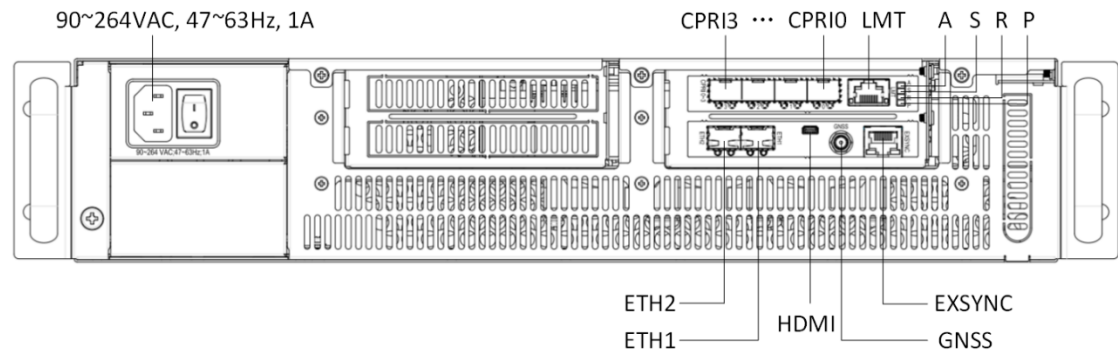
After powering on the device, wait several minutes for full startup. Refer to Section 1 Product Appearance to check LED status.

1.产品外观



BU1520（直流供电）接口描述

-48V, 3A	直流电源接口，连接至-48VDC
CPRI0~CPRI3	光纤接口0~3 (SFP+)，向下连接到HUB或RRU
LMT	千兆以太网接口（RJ-45接口），用于设备调试
ETH1/ETH2	万兆以太网接口（SFP+），向上连接到核心网
HDMI	（预留）仅用于测试
GNSS	外接GPS天线，SMA母头
EXSYNC	（预留）仅用于同步测试



BU1521（交流供电）接口描述

90~264VAC, 47~63Hz, 1A	交流电源接口，连接至90-264VAC
CPRI0~CPRI3	光纤接口0~3 (SFP+)，向下连接到HUB或RRU
LMT	千兆以太网接口（RJ-45接口），用于设备调试
ETH1/ETH2	万兆以太网接口（SFP+），向上连接到核心网
HDMI	（预留）仅用于测试
GNSS	外接GPS天线，SMA母头
EXSYNC	（预留）仅用于同步测试

BU1520/1521 BBU 指示灯描述			
A(LM)	红色	常亮	设备存在严重告警
		常灭	无告警或告警已清除
S(YNC)	绿色	常亮	GPS同步成功
		长灭	GPS未同步
R(UN)	绿色	常亮	设备已上电并运行正常
		快闪：0.125s亮，0.125s灭	软件正在加载
		慢闪：0.125s亮，0.125s灭	小区已激活
P(WR)	绿色	常亮	设备已上电
		常灭	设备未上电

2. 安装 BBU

2.1 开箱检查

在打开包装盒前，请确认包装盒外观完好，无严重损坏、浸水现象。开箱过程中，不要过分用力或使包装盒中物品受到撞击，否则可能损坏盒中器件。

打开包装盒后，请检查发货的设备与设备清单描述是否一致。

2.2 安装准备

在安装过程中需要使用十字螺丝刀，需要客户自行准备。其他配件已随设备发货。安装前，需确认机柜中的安装位置已经就绪，并且机柜周围没有影响安装操作的障碍物。

2.3 安装要求

安装位置应保证散热孔不被遮挡，温度、湿度均满足设备正常工作条件，干燥、通风良好。

禁止将设备安装在强热源环境附近、漏水或滴水的环境、有强干扰、强腐蚀性设备的环境或易燃易爆场所。

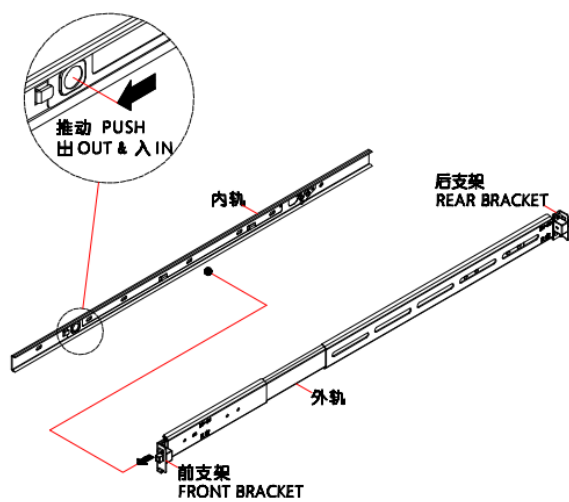
2.4 （可选）安装于 19 英寸机柜

BU152X 系列 BBU 是标准 19 英寸服务器，高度为 1U，采用前出线结构。安装挂耳在出厂时已经预安装在设备两侧。

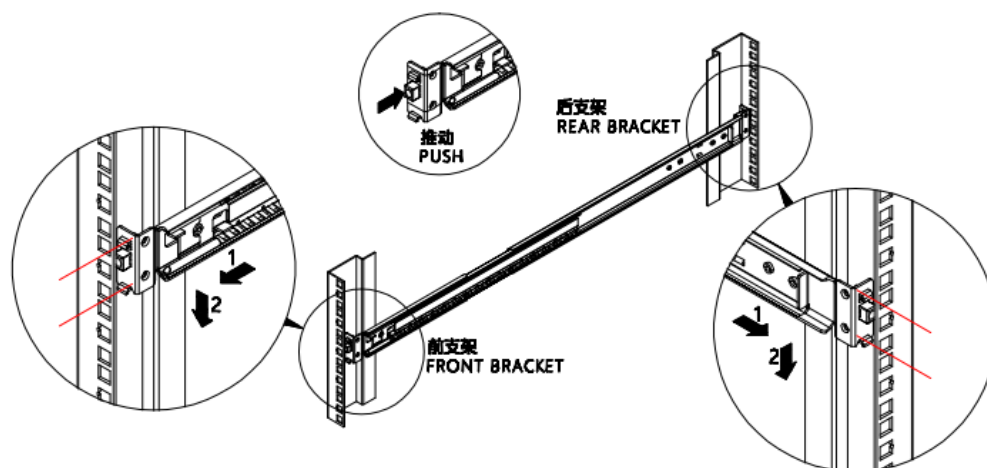
客户可以将设备直接放置于平整、稳固且不会存在掉落风险的位置，如桌面等。

如果客户需要将设备安装在标准 19 英寸机架中，则需要单独购买滑轨套件，并按照以下步骤进行安装。

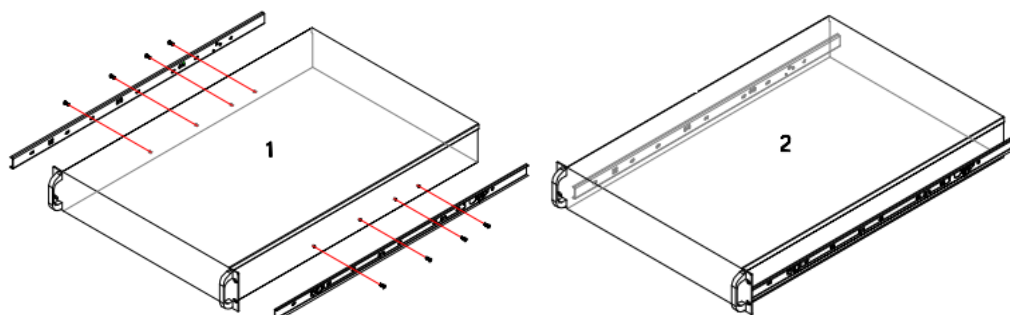
3. 拉出导轨



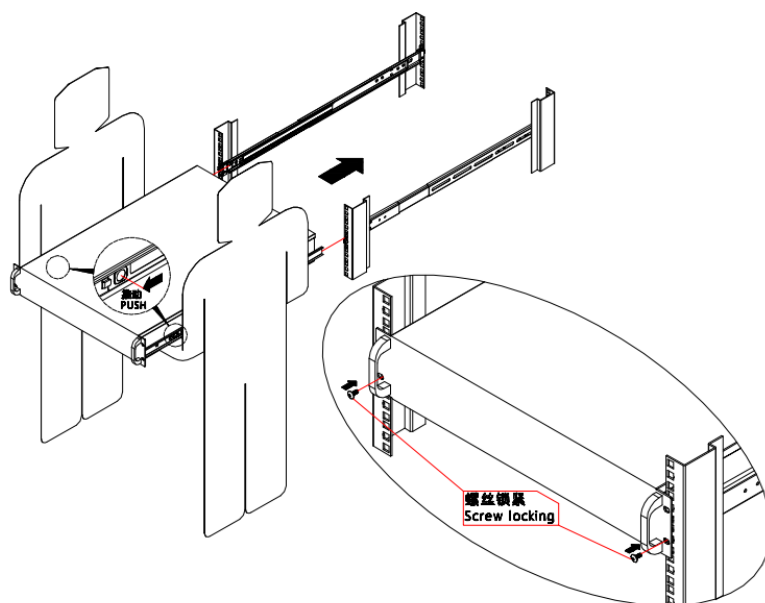
4. 将外轨用前后支架安装于机柜。



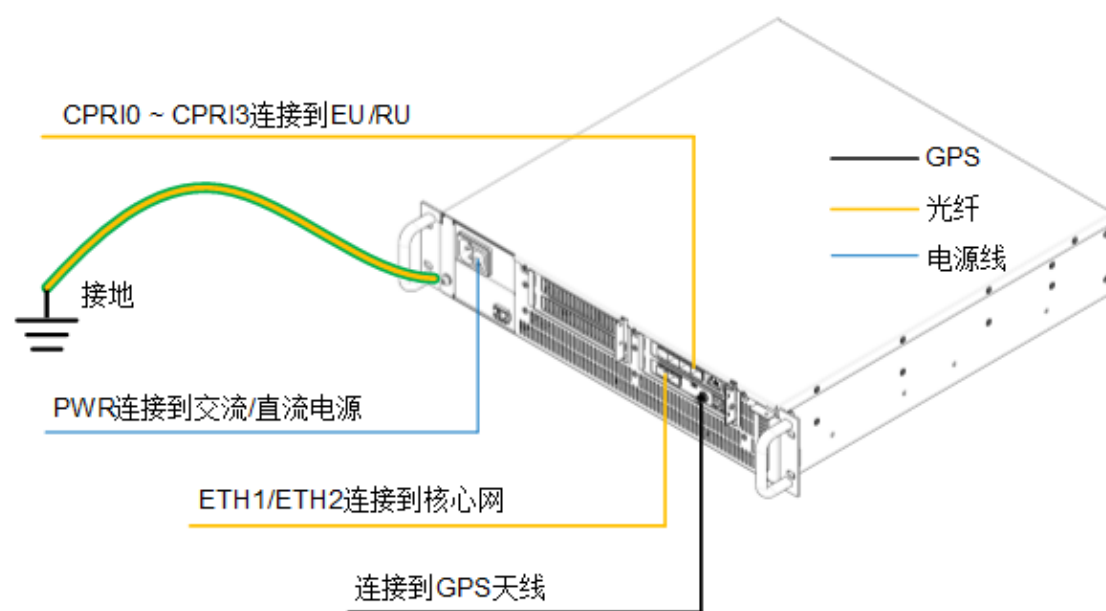
4. 将内轨用螺丝安装于设备两侧。



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5. 由于机箱重量较大，需要由两人将机箱放入已经安装的外轨滑道中。



2.5 连接线缆



说明：

3. BU1520 是直流电源，BU1521 是交流电源，根据设备型号连接到相应的电源。
4. 如果只连接一个 EU/RU，首先使用 CPRI0；如果连接多个 EU/RU，则依次使用 CPRI0、CPRI1、CPRI2、CPRI3。

2.6 上电

设备上电后，等待几分钟直到设备启动完成，参考“1 产品外观”查看指示灯状态。
