

RRU3908 V1 V100R003

Installation Guide

Issue: 02

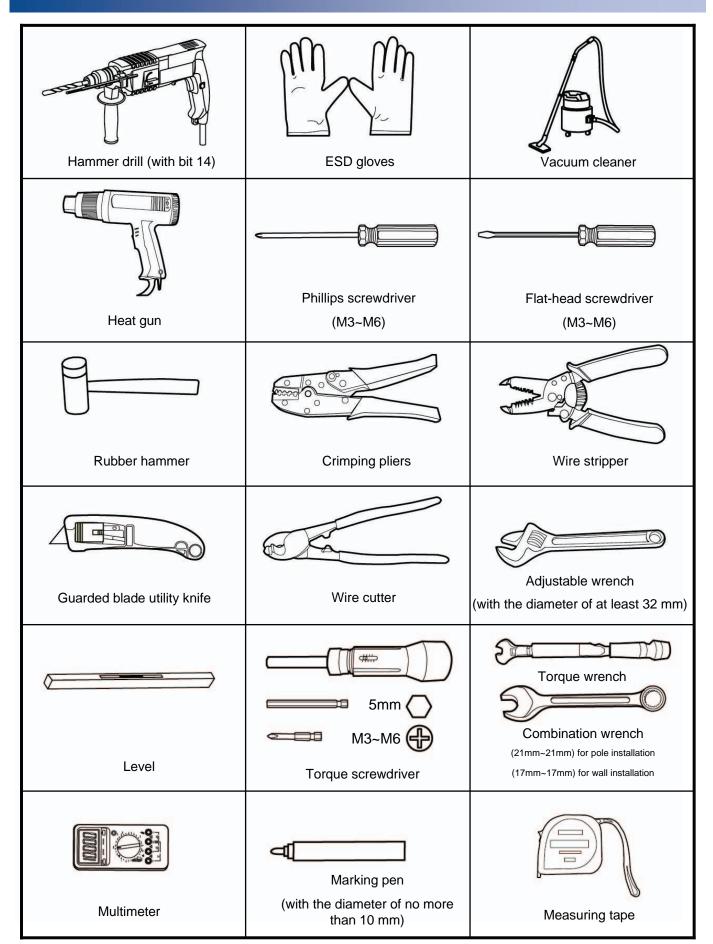
Date: 2010-07-20



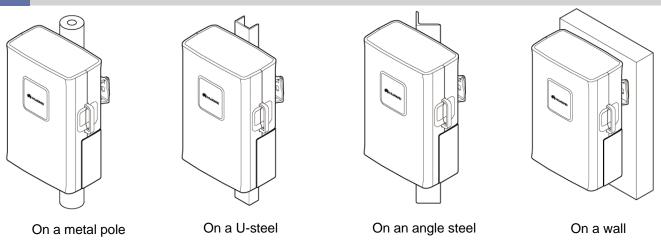
Contents

1. Installation Tools	2
2. Installing the DC RRU	3
Installation Modes	3
Space Requirements	4
Installation Procedure	6
Preparing for the installation	6
Installing the RRU on a Metal Pole	7
Installing the RRU on a U-Steel	9
Installing the RRU on an Angle Steel	9
Installing the RRU on a Wall	10
Cable Connections of a Single RRU	13
Cable Connections of Multiple RRUs	13
Cable List	14
Installing the RRU Cables	. 16
RRU Cable Installation Scenarios	18
3. Installing the AC RRU	23
Space Requirements	23
Installation Modes	. 23
Installing the Surge Protection Box (for Outdoor Scenarios)	24
Cable Connections of a Single RRU	27
Cable Connections of Multiple RRUs	27
List of Cables (No Surge Protection Box Configured)	. 28
List of Cables (Surge protection box Configured)	29
Installing the RRU Cables	. 31
Installation Checklist	. 33
4. Powering On the RRU	. 34
5. Appendix	34
Binding the RRU and Installation Components	34
Making OT Terminals by Using a Cable Peeler (Recommended)	36
Making OT Terminals at the Input End of the Power Cable by Using a Knife	. 37
Waterproofing Outdoor Cables	38
Installing the Optical Module	38
Installing the Corrugated Pipes of AC Power Cable	39
Pin Assignment for the Wires of the RRU Alarm Cable (DC)	39
6. Changes History	40

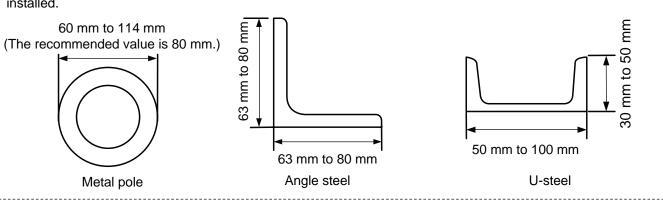
Installation Tools

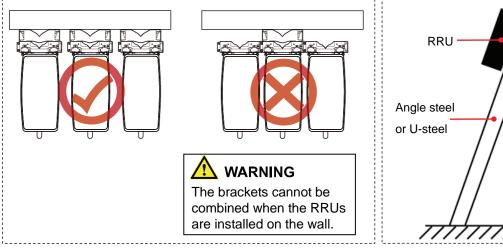


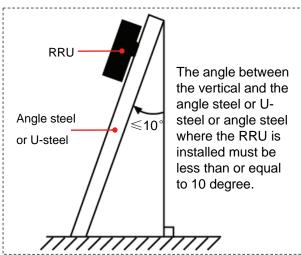
a Installation Modes



The following figure describes the specifications for the metal pole, angle steel, and U-steel where the RRU is installed.







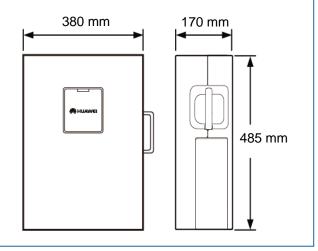


WARNING

- A maximum of two RRUs can be installed on a metal pole with the diameter of 60 mm to 76 mm, and the RRUs must be installed on the back.
- Only one RRU can be installed on a U-steel or an angle steel at the back.
- When installed on a tower, only one RRU can be installed in standard mode or reverse mode, and two RRUs cannot be installed in back-to-back mode, or the brackets cannot be combined when the RRUs are installed on the tower.
- A single DC RRU can be bound and lifted to a tower. For details, see page 34 "Binding the RRU and Installation Components."

Dimensions and Installation Clearance

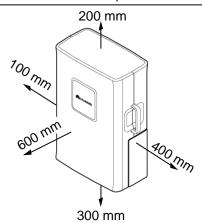
RRU Dimensions

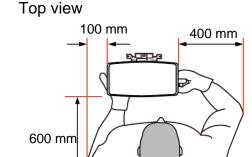


Minimum Clearance for a Single RRU



The minimum installation clearance meets the requirements of the equipment for normal running and heat dissipation, but does not meet the requirements for Operation and Maintenance (OM) such as checking the status of the LEDs and opening the maintenance cavity. When the installation space is restricted, the minimum installation clearance can be adopted.



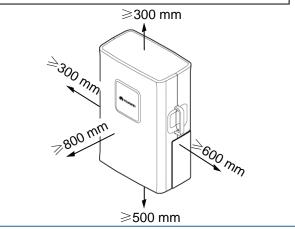


Recommended Clearance for a Single RRU

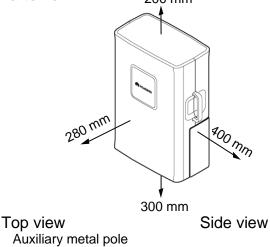


NOTE

The recommended installation clearance meets the requirements of the equipment for normal running and OM. When the installation space is sufficient, the recommended installation clearance can be adopted.

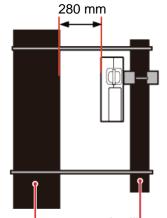


Minimum clearance for the RRU installed on a tower 200 mm

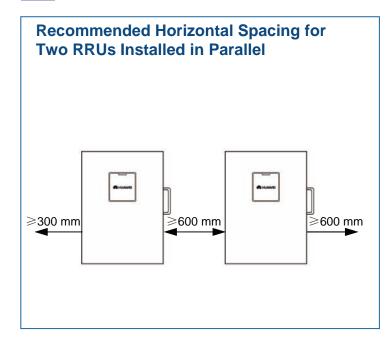


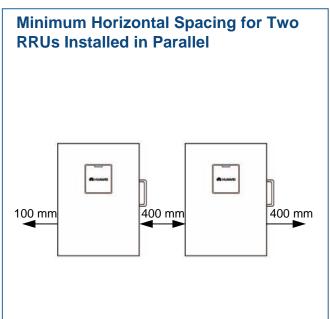
280 mm

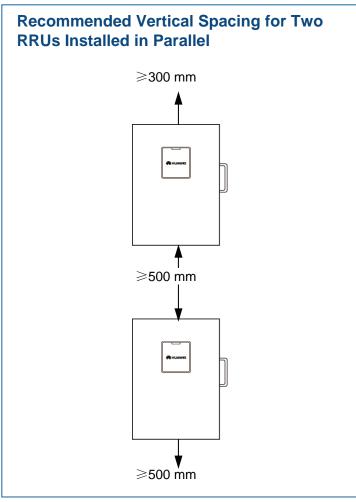
Main metal pole

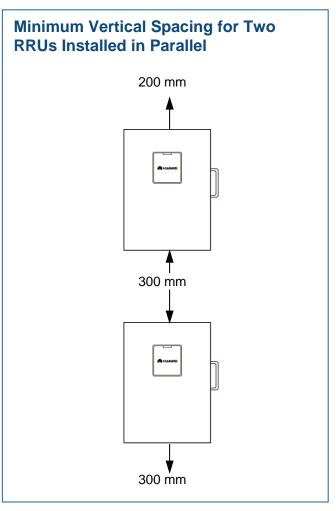


Dimensions and Installation Clearance



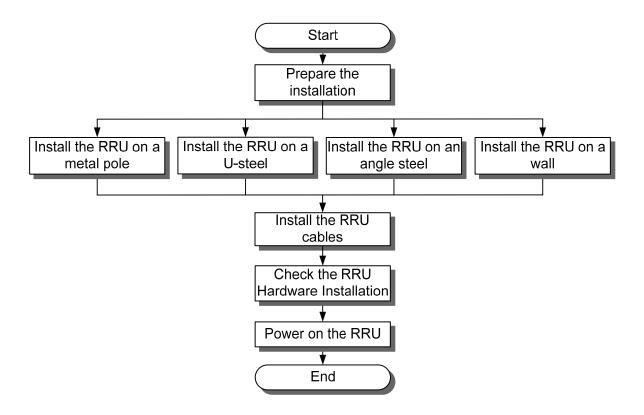




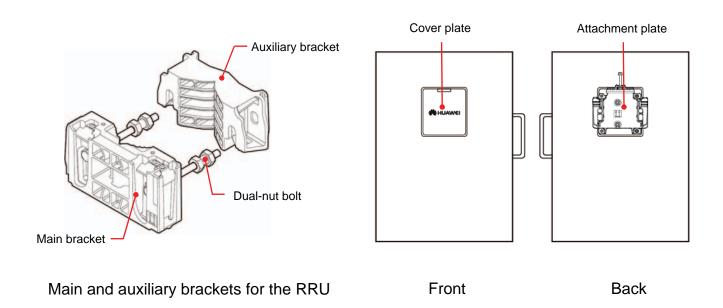


C

Installation Procedure

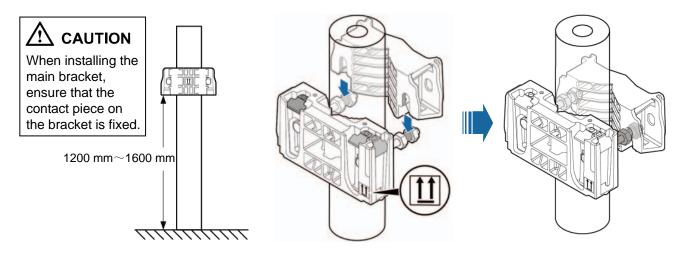


d Preparing for the Installation



Installing a Single RRU on a Metal Pole

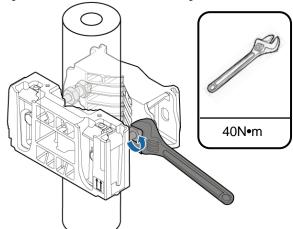
1. Install the main bracket.



© □ TIP

You may fit one end of the auxiliary bracket on one dual-nut bolt assembly and then the other end on the other dual-nut bolt assembly during the installation.

2. Use an adjustable wrench to tighten the nut until the fastening torque is 40 N·m. In this way, the main and auxiliary brackets are secured on the pole.



A CAUTION

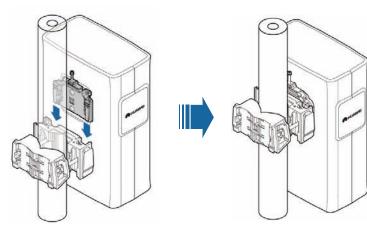
Fasten the two dual-nut bolt assemblies alternatively. After the brackets are secure, use a tape to measure the spacing between the main bracket and the auxiliary bracket at the two sides and ensure that the spacing is the same.

3. Install the RRU on the main bracket. When you hear click sound, you can infer that the RRU is in position.



CAUTION

- The weight-bearing capacity of the RF ports at the bottom of the RRU is low. Do not place the RRU at its bottom.
- During the operation, place the foam pad or cardboard under the RRU to prevent any damage to the housing of the RRU.



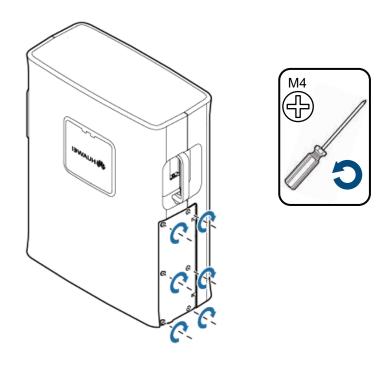
ш

Cable List

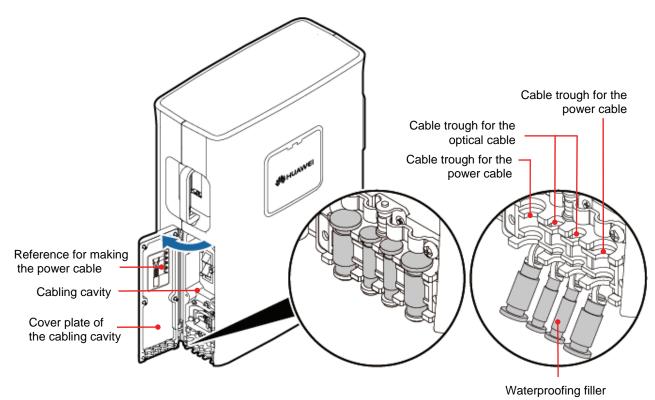
Cable	Connector Type Connected to···			
AISG multi-wire cable between the RRU and the RCU	Waterproof DB9 connector	Port labeled RET on the RRU		
	Standard AISG female connector	Standard AISG male connector of the AISG extension cable or RCU		
AISG extended cable between the	Standard AISG male connector	Standard AISG female connector of the AISG multi-wire cable		
RRU and the RCU	Standard AISG female connector	Standard AISG male connector of the RCU		
RF cable between RRUs	2W2 connector	Port labeled RX_IN/OUT on the upper-level RRU		
	2W2 connector	Port labeled RX_IN/OUT on the lower-level RRU		
DC RRU alarm cable	DB15 male connector	Port labeled EXT_ALM in the RRU cabling cavity		
	Eight cord end terminals	External alarm devices		
SFP high-speed cable for	SFP200 male connector	the CPRI_E port on the upper-level RRU		
cascading	SFP200 male connector	the CPRI_W port on the lower-level RRU		

m Installing the RRU Cables

1. Opening the Cover Plate of the RRU Cabling Cavity



2. The Cabling Cavity of the RRU



Installing the RRU Cables

3. Cable Connections of RRU

a DC RRU alarm cable

(b) CPRI optical cable

C DC RRU power cable

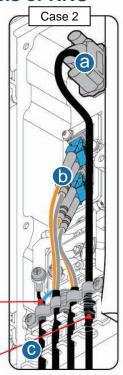
d PGND cable

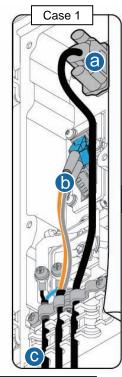
RRU RF jumper

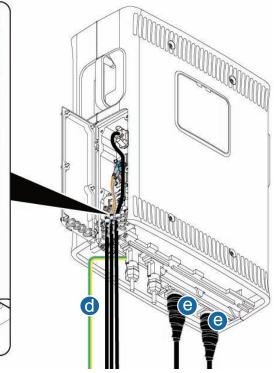
Shielding layer of the power cable

Waterproofed

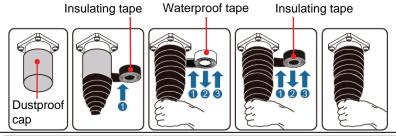
alarm cable







Do not remove the dustproof cap from the feeder connectors that are not in use. In addition, protection measures against damp, dust, and salt mist must be taken. If the RRU is installed outdoors, you also need to wrap the joint with waterproof tape, as shown in the following figures.



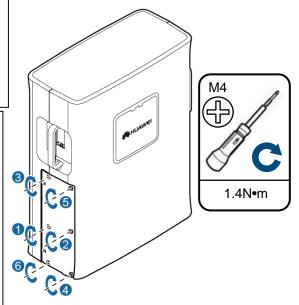
⚠ CAUTION

- Press the strap on the exposed shielding layer of the power cable tightly. Ensure that the lower edge of the exposed shield layer does not exceed the position shown in the figure.
- The alarm cable is preferably led out of the RRU from the narrower cable trough in the middle of the cabling cavity. If the cable trough is used by the CPRI optical cable, the alarm cable is led from the wider cable trough near the middle one. In this case, the alarm cable must be wrapped with 10 to 17 layers of waterproof tape so that the diameter of the cable reaches 10 mm to 12 mm.
- To avoid sharp bending, the optical cable must be pressed by the strap next to the power cable during the optical cable installation.
- Waterproof fillers should be installed in the unused cable trough.

MOTE

- The tape is wrapped spirally upwards, downwards, and then upwards again in three layers. For every two adjacent tape layers, the tape on the upper layer overlaps about half the width of the tape on the lower layer.
- For details on how to add the OT terminals to the DC RRU power cable, see page 36.

4. Closing the Cover Plate of the RRU Cabling Cavity.



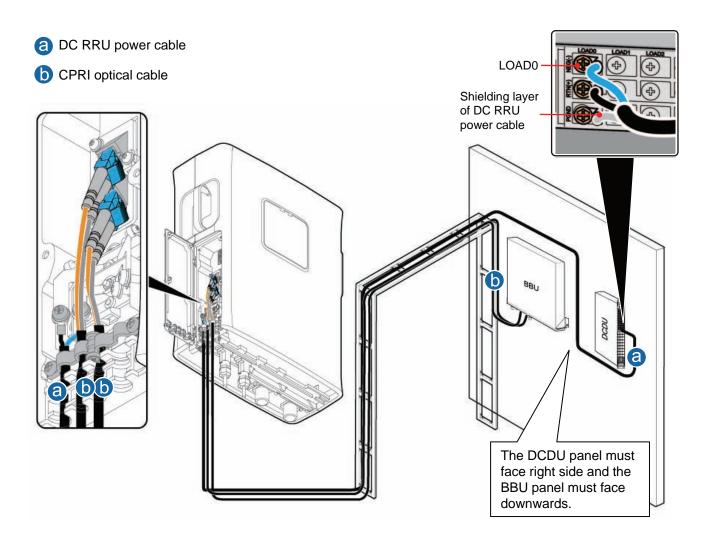
⚠ CAUTION

- The screw on the cover plate is tightened until the fastening torque is 14 kgf•cm.
- The screws on the cover plate are tightened in the order shown in the preceding figure.

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RRU Cable Installation Scenarios

RRU+Wall-Mounted BBU

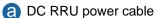


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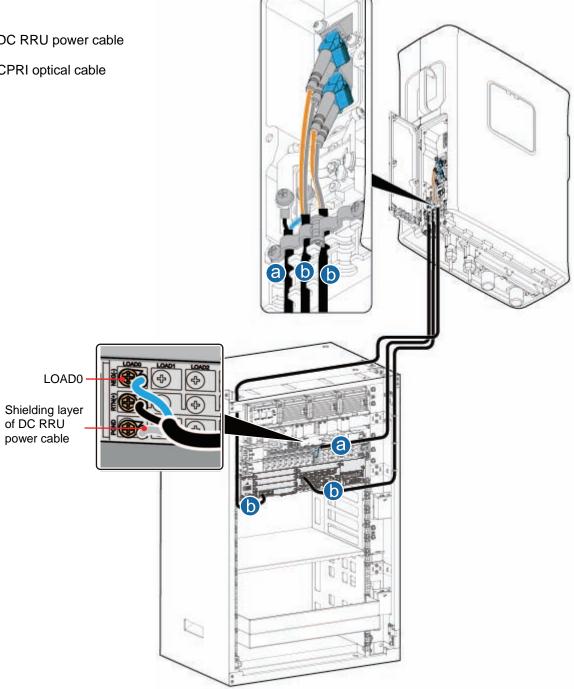
- When connecting the DC RRU power cable to the DCDU-03B, you must add an OT terminal to the shielding layer. Then, fix the OT terminal to the corresponding PGND terminal of the DCDU-03B. For details on how to add an OT terminal, see page 37.
- The DC RRU power cable is connected to one of the LOAD0 to LOAD5 terminals of the DCDU-03B.

RRU Cable Installation Scenarios

RRU+PS4890



(b) CPRI optical cable

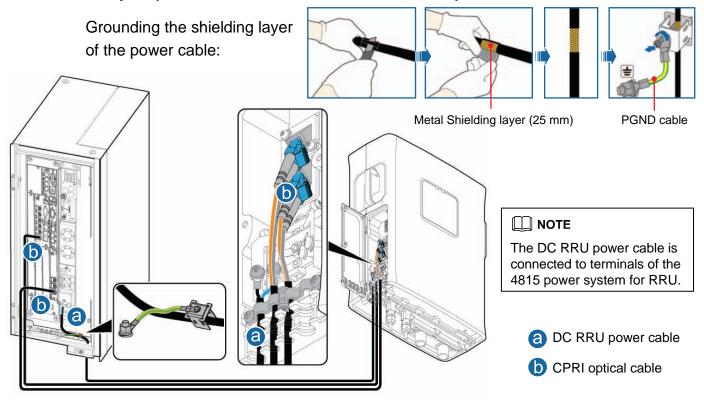


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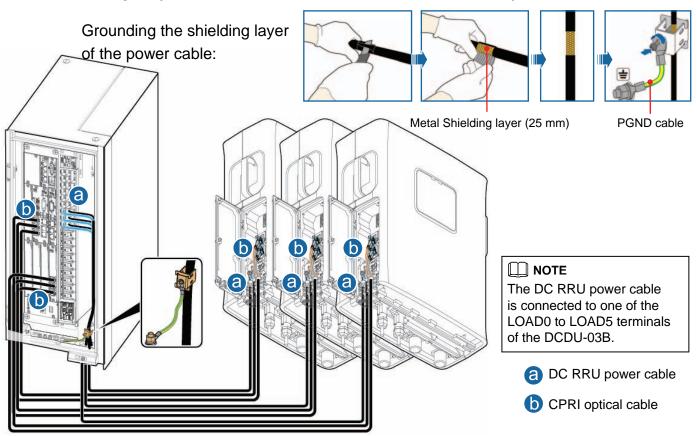
- When connecting the DC RRU power cable to the DCDU-03B, you must add an OT terminal to the shielding layer. Then, fix the OT terminal to the corresponding PGND terminal of the DCDU-03B. For details on how to add an OT terminal, see page 37.
- The DC RRU power cable is connected to one of the LOAD0 to LOAD5 terminals of the DCDU-03B.

RRU Cable Installation Scenarios

220 V AC input (4815 installed in the OMB cabinet).

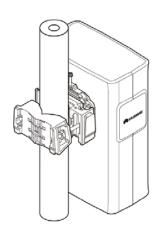


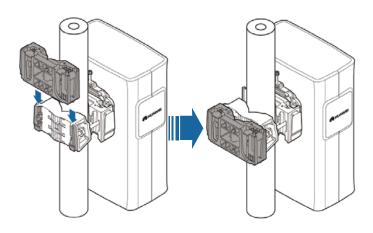
-48 V DC input (DCDU-03C installed in the OMB cabinet).



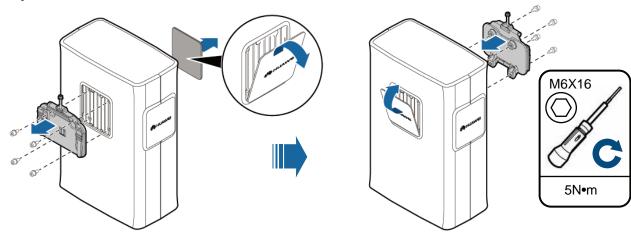
f Installing Two RRUs Back-To-Back on a Metal Pole

- 1. Install an RRU. For details, see page 6 Installing a Single RRU on a Metal Pole.
- 2. Install the main fixture for another RRU.

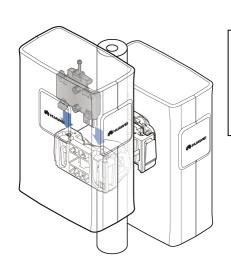


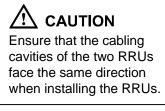


3. Reinstall the attachment plate and cover plate on the second RRU by interchanging their positions.

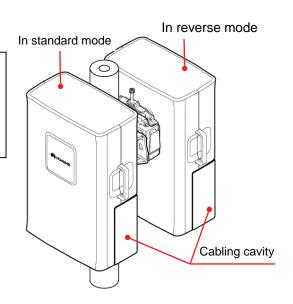


4. Install the second RRU on the main bracket.

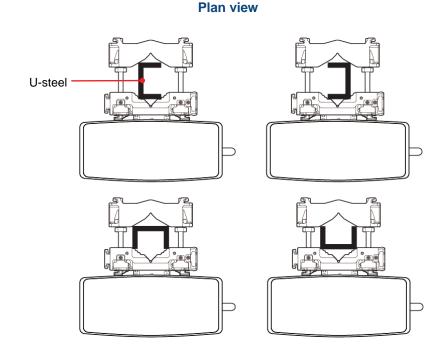








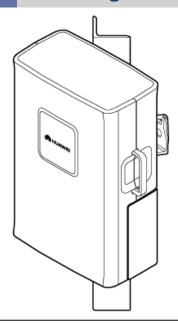
Installing the RRU on a U-Steel



riangle CAUTION

- The procedure for installing the RRU on a U-steel is the same as that on a metal pole.
- Only one RRU can be installed on a U-steel.

Installing the RRU on an Angle Steel



Angle steel

Plan view

♠ CAUTION

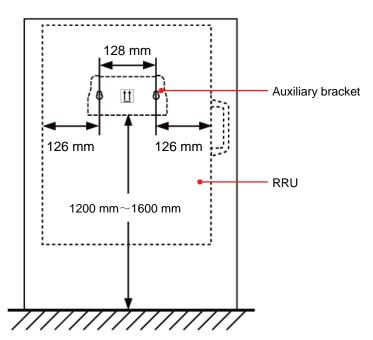
- The procedure for installing the RRU on an angle steel is the same as that on a metal pole.
- Only one RRU can be installed on an angle steel.

Installing the RRU on a Wall

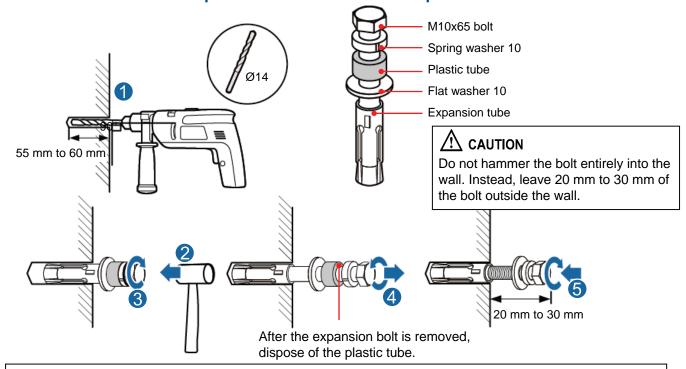
1. Place the auxiliary fixture on the wall at the installation position and then mark the anchor points by using a marking pen.

NOTE

- It is recommended that the auxiliary bracket be 1,200 mm to 1,600 mm above the ground.
- The RRUs cannot installed on a wall in centralized mode. Therefore, expansion bolt assemblies should be prepared for each RRU.



2. Drill holes at the anchor points and then install the expansion bolt assemblies.



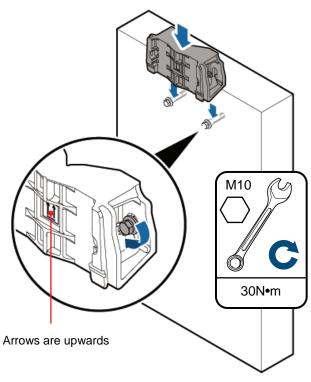
NOTE

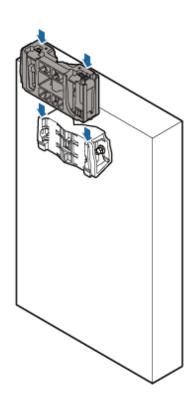
When the RRU is installed on a wall, the requirements are as follows:

- For one RRU, the wall has a weight-bearing capacity of 92 kg.
- The fastening torque of the expansion bolt reaches 30 N·m, the expansion bolt works properly, and no damages such as cracks are on the wall.

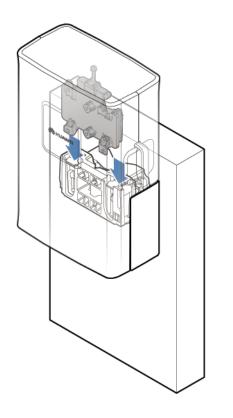
Installing the RRU on a Wall

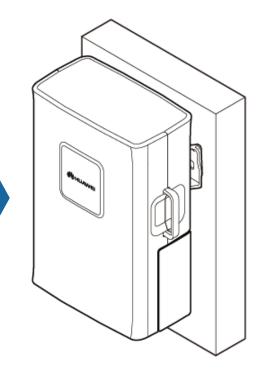
- 3. Fit the auxiliary bracket on the expansion bolts downward, and then tighten the bolts by using a combination wrench 17 mm.
- 4. Install the main bracket.





5. Install the RRU.

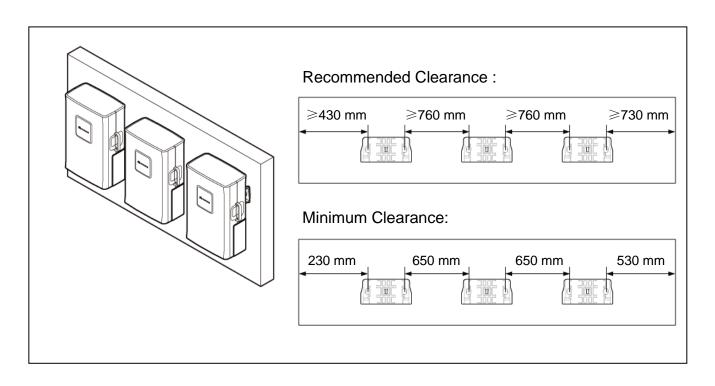


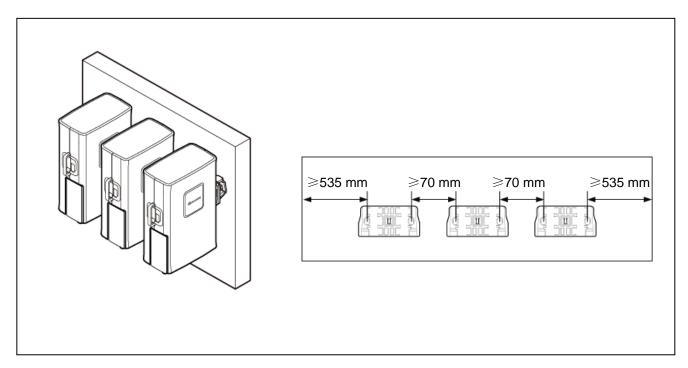


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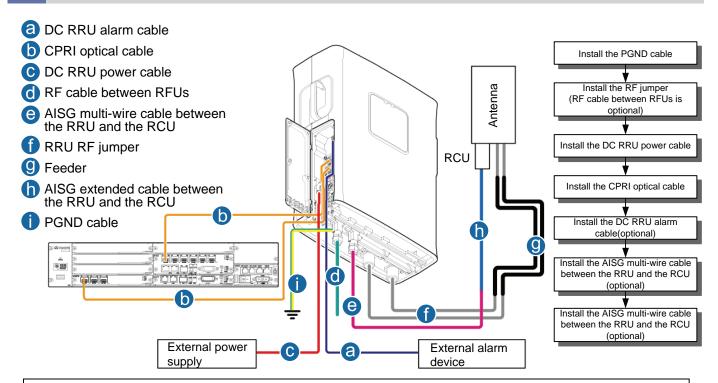
Installing the RRU on a Wall

6. Install multiple RRUs.





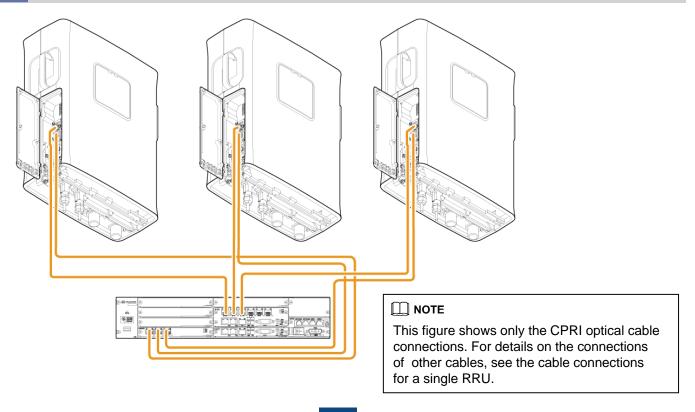
J Cable Connections of a Single RRU



⚠ CAUTION

When a dual-polarized antenna is shared by two RRUs in the same sector, the two RRUs are connected through an RF cable between RFUs. The connections of three RRUs in the same sector are not supported.

Cable Connections of Multiple RRUs



Cable List

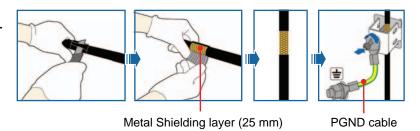
Cable	Connector Type	Connected to···		
PGND cable	OT terminal (M6)	Grounding bolt on the RRU		
(16 mm²)	OT terminal (M8)	Nearest grounding bar		
RRU RF jumper	F jumper DIN male connector Ports labeled ANT-A and ANT-B on the I			
	DIN male connector	Feeder or antenna		
DC RRU power cable (North American standard: 2AWG European standard: 4 mm²) North American standard:	Two OT terminals (M4)	 North American standard: The OT terminal on the blue wire is connected to the NEG(-) port on the cabling cavity of the RRU. The OT terminal on the black wire is connected to the RTN(+) port on the cabling cavity of the RRU European standard: The OT terminal on the blue wire is connected to the NEG(-) port on the cabling cavity of the RRU. The OT terminal on the brown wire is connected to the RTN(+) port on the cabling cavity of the RRU 		
European standard:	Bare wire	External power supply		
	North American standard:			
	European standard:			
CPRI optical cable	DLC connector	Connect the fiber tails labeled 1A and 1B to the CPRI_W port on the RRU		
	DLC connector	Connect the fiber tails labeled 2A and 2B to one of the CPRI0 to CPRI5 ports on the WBBP or GTMU		
	1A 1A 1B	24 25 25		

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RRU Cable Installation Scenarios

RRU+TMC

Grounding the shielding layer of the power cable:

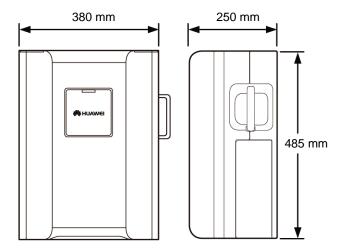


- a DC RRU power cable
- Description of the control of the co

MOTE

- When connecting the DC RRU power cable to the DCDU-03B, you must add an OT terminal to the shielding layer. Then, fix the OT terminal to the corresponding PGND terminal of the DCDU-03B. For details on how to add an OT terminal, see page 37.
- The DC RRU power cable is connected to one of the LOAD0 to LOAD5 terminals of the DCDU-03B.
- Three power cables can be led through each ground clip.

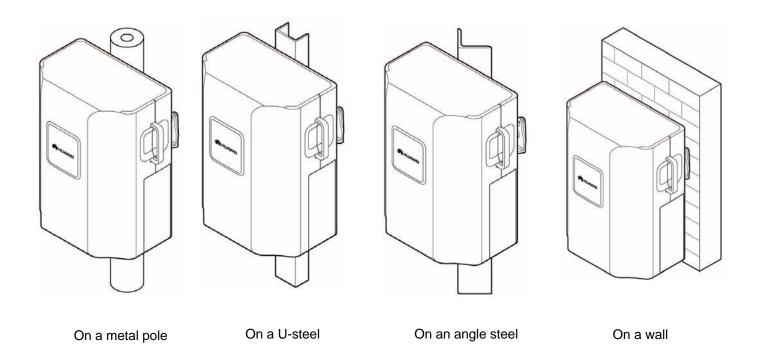
a Space Requirements



M NOTE

The recommended/minimal clearance for the AC RRU/clearance for Two Combined RRUs is the same as that for the DC RRU. For details, see page 4 and page 5.

Installation Modes



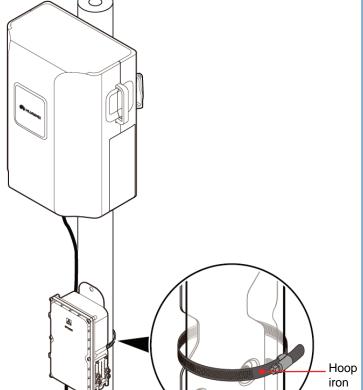
MOTE

The AC RRU cannot be installed at the side. When it is installed in other modes, the procedure is the same as that of the DC RRU.

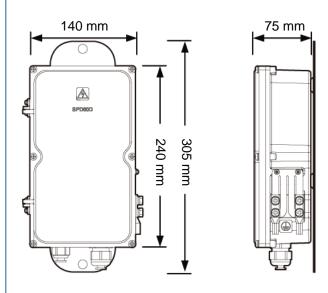
For details, see page 6.

Installing the Surge Protection Box (for Outdoor Scenarios)

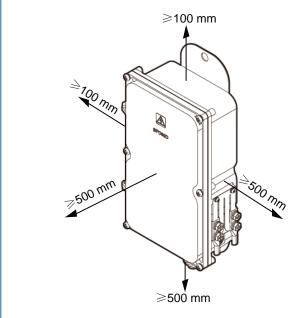
Installation of the surge protection box.



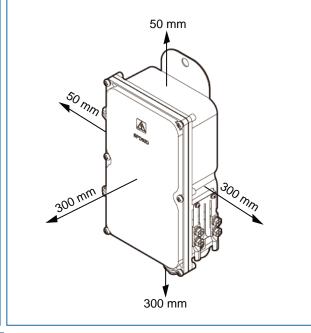




Recommended clearance for the surge protection box.



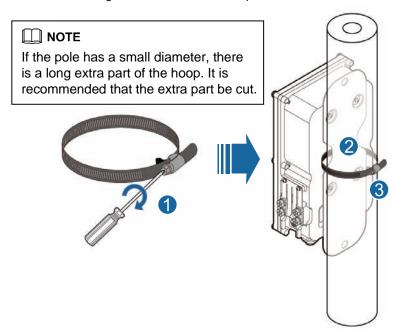
Minimal clearance for the surge protection box.

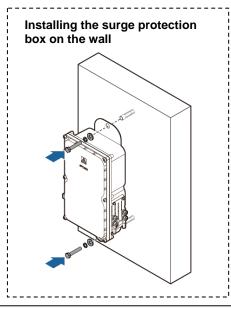


C Installing the Surge Protection Box (for Outdoor Scenarios)

1. Install the surge protection box on the metal pole.

- 1 As shown in the figure, unfasten the screw on the loop iron with the torque of 4.8 N•m.
- 2 Lead the loop iron through the opening between the back plate of the surge protection box and the surge protection box.
- Gircle the loop iron around the metal pole, and then tighten the screw on the loop iron.

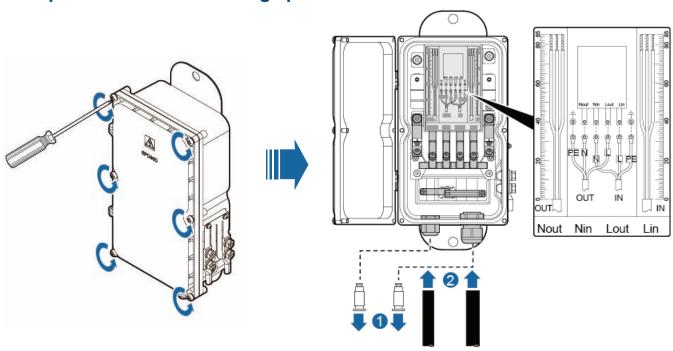




M NOTE

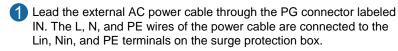
- when installing the surge protection box, you need to dispose of the plastic tube on the expansion bolt.
- The procedure for installing the surge protection box on the wall is the same as that for installing the RRU on the wall. For details, see page 10.

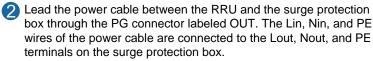
2. Open the cover of the surge protection box.



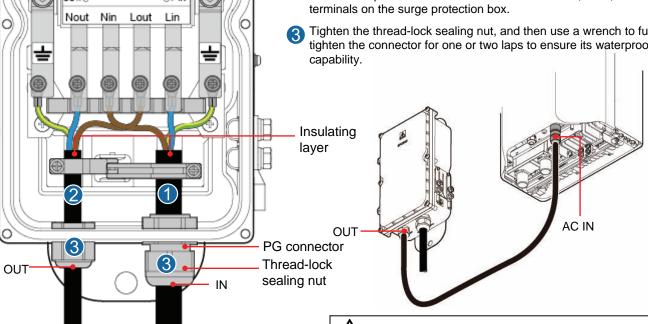
Installing the Surge Protection Box (for Outdoor Scenarios)

3. Connect the power cable between the surge protection box and the RRU.





Tighten the thread-lock sealing nut, and then use a wrench to further tighten the connector for one or two laps to ensure its waterproofing



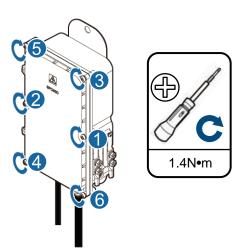
M NOTE

- The cable led through the PG connector labeled OUT is the power cable between the RRU and the surge protection box, and the cable led through the PG connector labeled IN is the external AC power cable.
- Install the corrugated pipes for the AC power cables before installing the AC RRU power cables. For details, see page 39.

CAUTION

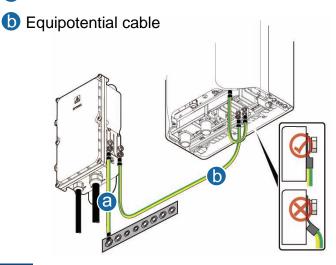
- Lead the cable through the removed thread-lock sealing nut of the PG connector, and then lead the cable through the PG connector.
- The removed thread-lock sealing nut of the PG connector cannot be replaced with the thread-lock sealing nuts of other surge protection boxes.
- Ensure that the case of the cable insulating layer is tightly pressed by the strap.

4. Close the cover of the surge protection box.

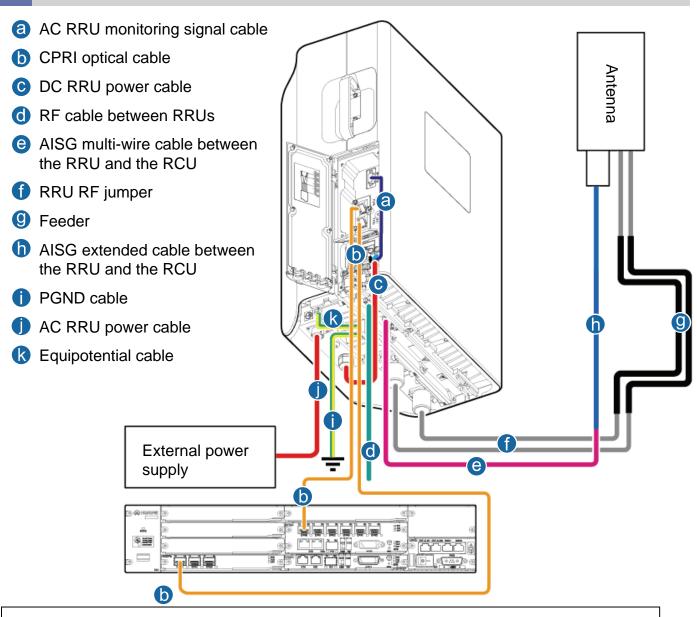


5. Connect the PGND cable.

a PGND cable



d Cable Connections of a Single RRU



igsqcup note

The AC RRU monitoring signal cable, DC RRU power cable, equipotential cable between the power module and the RRU are installed before delivery.

Sequence of Installing the Cables: PGND cable \rightarrow RRU RF jumper \rightarrow AC RRU power cable \rightarrow CPRI optical cable \rightarrow AISG multi-wire cable between the RRU and the RCU (optional) \rightarrow AISG extended cable between the RRU and the RCU (optional)

e Cable Connections of Multiple RRUs

MOTE

The cable connections for multiple AC-powered RRUs and multiple DC-powered RRUs are the same. For details, see page 13.

f List of Cables (No Surge Protection Box Configured)

Cable	Connector Type	Connected to		
PGND cable	OT terminal (M6)	Grounding bolt on the RRU		
(16 mm²)	OT terminal (M8)	Nearest grounding bar		
RRU RF jumper	DIN male connector	Ports labeled ANT-A and ANT-B on the RRU		
	DIN male connector	Feeder or antenna		
AC RRU power	Round connector	Port labeled AC_in on the RRU		
cable (1.5mm²)	To be made depending on field requirements	External power supply		
CPRI optical cable	DLC connector	Connect the fiber tails labeled 1A and 1B to the CPRI_W port on the RRU		
	DLC connector	Connect the fiber tails labeled 2A and 2B to one of the CPRI0 to CPRI5 ports on the WBBP or GTMU		
	114	ZA 20 11 11 11 11 11 11 11 11 11 11 11 11 11		
AISG multi-wire cable between	Waterproof DB9 connector	Port labeled RET on the RRU		
the RRU and the RCU	Standard AISG female connector	Standard AISG male connector of the AISG extension cable or RCU		

f List of Cables (No Surge Protection Box Configured)

Cable	Connector Type	Connected to		
AISG extended cable between the RRU and the RCU	Standard AISG male connector	Standard AISG female connector of the AISG multi-wire cable		
	Standard AISG female connector	Standard AISG male connector of the RCU		
RF cable	2W2 connector	Port labeled RX_IN/OUT on the RRU		
between RRUs	2W2 connector	Port labeled RX_IN/OUT on the RRU		
SFP high-speed	SFP200 male connector	the CPRI_E port on the upper-level RRU		
cable for cascaded RRUs	SFP200 male connector	the CPRI_W port on the lower-level RRU		

9 List of Cables (Surge protection box Configured)

Cable	Connector Type	Connected to		
PGND cable	OT terminal (M6)	Grounding bolt on the surge protection box		
(16 mm²)	OT terminal (M8)	Nearest grounding bar		
CPRI optical cable	DLC connector	Connect the fiber tails labeled 1A and 1B to the CPRI_W port on the RRU		
	DLC connector	Connect the fiber tails labeled 2A and 2B to one of the CPRI0 to CPRI5 ports on the GTMU		
	TA TB	ZA 28 29 29 10 10 10 10 10 10 10 10 10 10 10 10 10		
RRU RF jumper	DIN male connector	Ports labeled ANT-A and ANT-B on the RRU		
	DIN male connector	Feeder or antenna		

9 List of Cables (Surge protection box Configured)

Cable	Connector Type	Connected to	
Power cable	Round connector	Port labeled AC IN on the RRU	
between RRU and the surge protection box	OT terminal	The Lout, Nout, and PE terminals on the surge protection box	
(1.5 mm²)			
External AC input	OT terminal	The Lin, Nin, and PE terminals on the surge protection box	
power cable (4 mm²)	To be made depending on field requirements	External power supply	
AISG extended cable between the	Standard AISG male connector	Standard AISG female connector of the AISG multi-wire cable	
RRU and the RCU	Standard AISG female connector	Standard AISG male connector of the RCU	
RF cable between	2W2 connector	Port labeled RX_IN/OUT on the upper-level RRU	
RRUs	2W2 connector	Port labeled RX_IN/OUT on the lower-level RRU	
AISG multi-wire cable between the RRU and the RCU	Waterproof DB9 connector	Port labeled RET/PWR_SRXU on the RRU	
	Standard AISG female connector	Standard AISG male connector of the AISG extension cable or RCU	
SFP high-speed	SFP200 male connector	the CPRI_W port on the upper-level RRU	
cable for cascaded RRUs	SFP200 male connector	the CPRI_E port on the lower-level RRU	

h Installing the RRU Cables

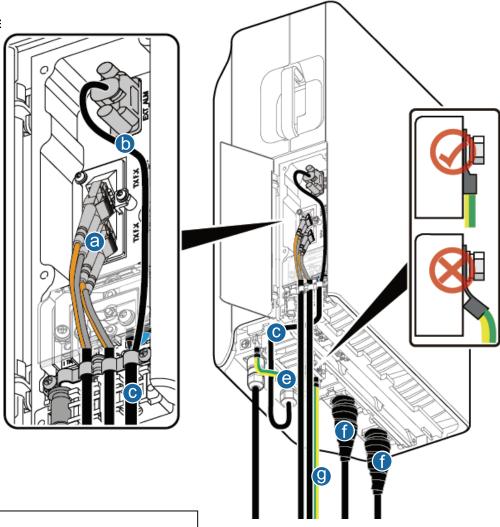
M NOTE

The cabling cavity of the AC RRU is the same as that of the DC RRU.

The procedures for opening and closing the cover for the cabling cavity of the AC RRU are the same as those for opening and closing the cover for the cabling cavity of the DC RRU.

Cable Connections of RRU

- a CPRI optical cable
- **b** AC RRU monitoring signal cable
- © DC RRU power cable
- d AC RRU power cable
- Equipotential cable
- RRU RF jumper
- PGND cable



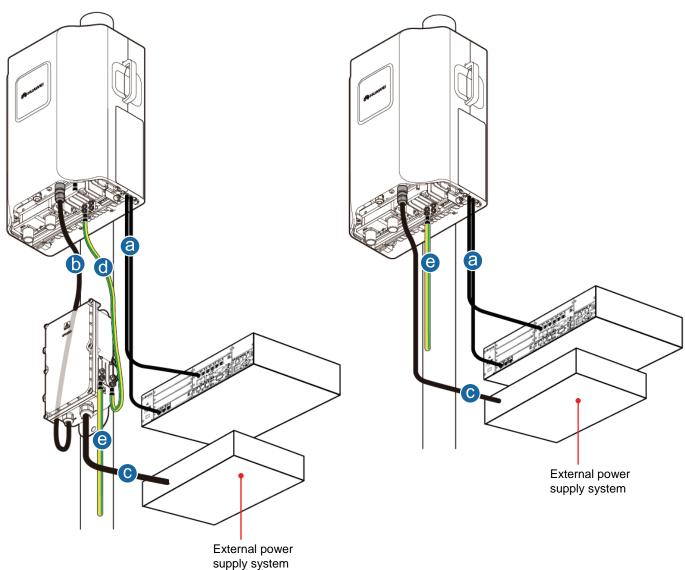
MOTE

Wrap the RF jumper for the RRU with the waterproof tape, and then wrap it with the PVC insulating tape.

h Installing the RRU Cables

- @ CPRI optical cable
- **b** Power cable between RRU and the surge protection box
- © External AC input power cable
- d Equipotential cable
- PGND cable

• for Outdoor Scenarios • for Indoor Scenarios



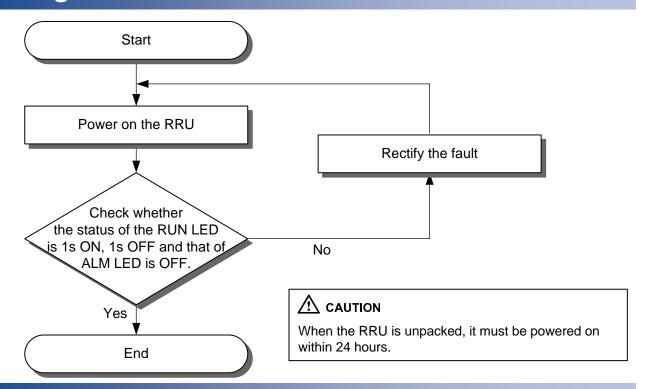
M NOTE

The maximum length of the external AC input power cable is 70 m for the 110 V AC single-phase power cable and 100m for the 220 V AC single-phase power cable.

Installation Checklist

- 1. The PG connectors labeled IN and OUT on the surge protection box are securely installed and cannot be rotated with the cables.
- 2. The waterproof gaskets on the door of the cabling cavity of the surge protection box are not stripped or broken.
- 3. The OT terminals of the cables connected to the surge protection box are securely linked. The jackets of the cables are not damaged, and there are no uneven edges on the cables.
- 4. The PG connectors are tightened, and the waterproof rings are secure.
- 5. The six screws on the cabling cavity of the surge protection are tightened according to the required fastening torque.
- 6. The axis for the door of the cabling cavity of the surge protection box is not broken, and the surface of the protection box is not scratched.
- 7. The cables in the surge protection box are correctly connected by referring to the operation guide. The OT terminals are tight linked before the door of the cabling cavity is closed.
- 8. The power supply to the surge protection box is cut off before installation and maintenance.
- The installation and maintenance of the surge protection box is not performed in rainy or damp weather.

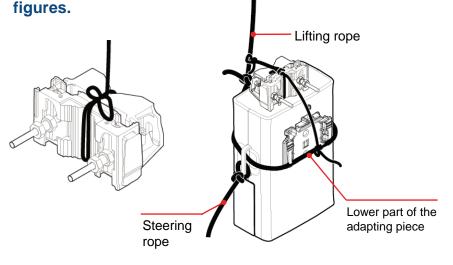
Powering On the RRU



Appendix

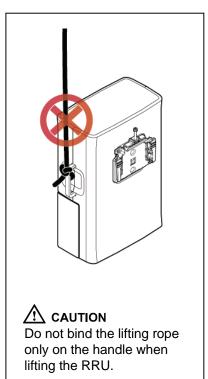
a Binding the RRU and Installation Components

1. Bind the RRU by leading the lifting rope along the lower part of the adapting piece and through the handle, bind the main and auxiliary brackets with the lifting rope, and then bind the steering rope with the handle of the RRU, as shown in the following



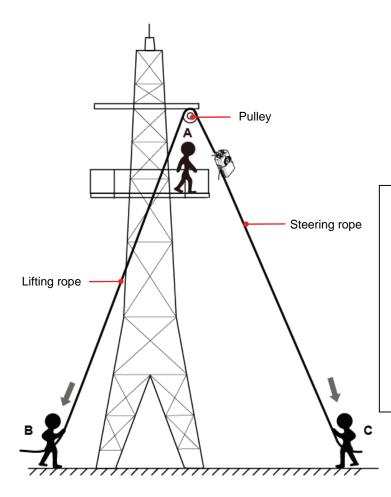
∴ CAUTION

- When lifting the RRU and installation components to the tower, prevent the RRU from colliding with the tower.
- The cross-sectional area of the lifting rope and steering rope is around 20 mm, not more than 25 mm. In addition, the ropes can bear the weight four times more than that of the RRU.



a Binding the RRU and Installation Components

2. Lifting the RRU and Installation Components to the Tower

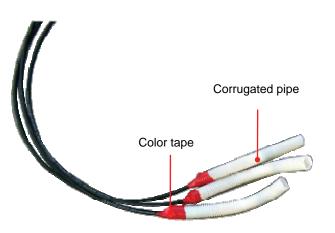


M NOTE

- Installer A climbs onto the tower. Then, installer A fixes the pulley to the support of the tower platform and leads the lifting rope through the pulley.
- Installer C uses a lifting rope to bind the RRU and installation components as shown in the preceding figure and then ties a knot in the steering rope at the handle of the RRU.
- Installer B pulls the lifting rope, and at the same time, installer C pulls the steering rope away from the tower to prevent the RRU and installation components from colliding with the tower.
- Installer A holds the RRU and installation components and untie the ropes.

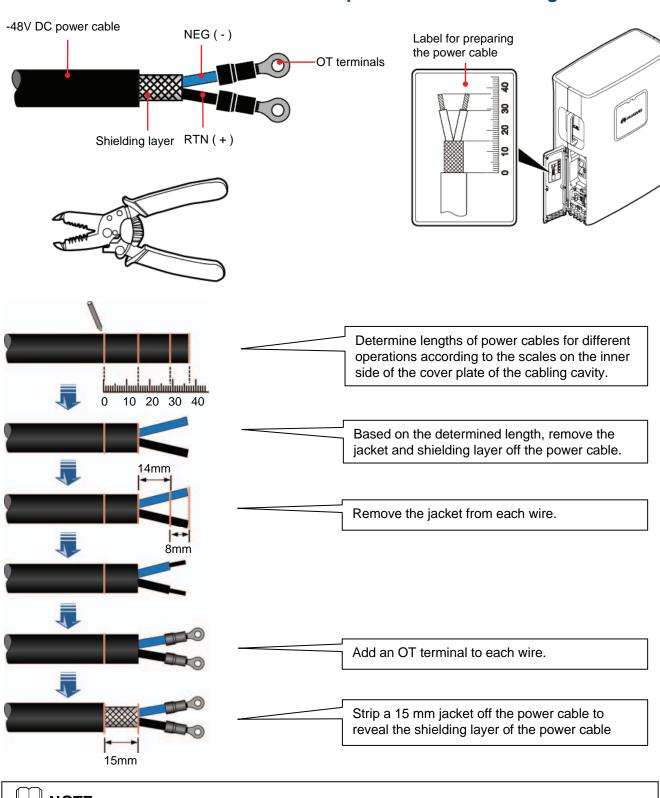
3. Lifting the CPRI Optical Cable up to the Tower

- Cut off a 200 mm long corrugated pipe with the diameter of 25 mm.
- Lead the fiber tails labeled 1A and 1B of the optical cable into the corrugated pipe by 160 mm.
- Wrap up the corrugated pipe and optical cable with the color tape.
- For the tower made of steel pipes, tie the black jacket to the corrugated pipe at the position 150 mm away from the color tape, and then lift the optical cable up to the tower.
- For the tower made of angle steel girders, carry the optical cable onto the tower when climbing up to the tower.
- After the optical cable is lifted up to the tower, remove the color tape and corrugated pipe before installing the optical cable.



b Making OT Terminals by Using a Cable Peeler (Recommended)

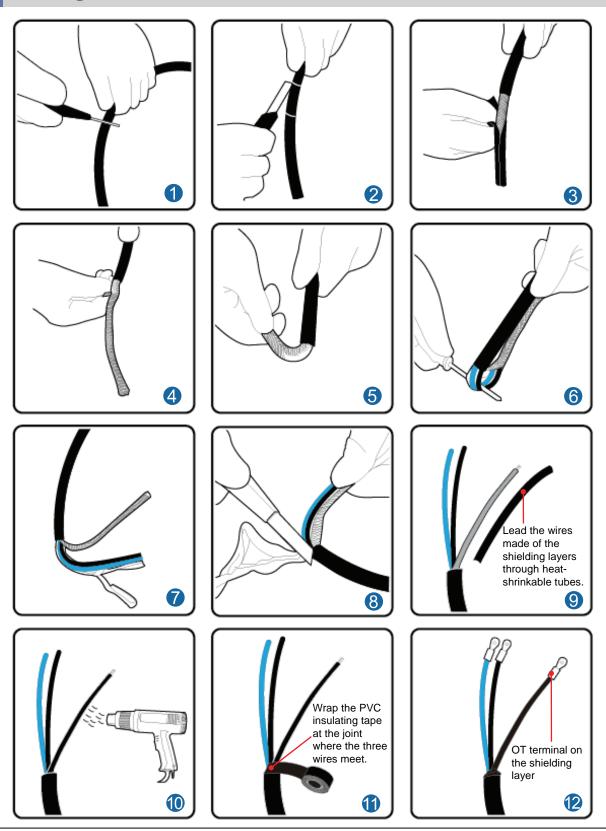
Add two OT terminals to the end of the power cable connecting to the RRU.



MOTE

The assembling of OT terminals to the power cable must be complete before the RRU is installed on a metal pole.

C Adding OT Terminals to the Power Cable on the DCDU side





Do not damage the shielding layer of the power cable when cutting around the jacket.

d

Waterproofing Outdoor Cables

⚠ CAUTION

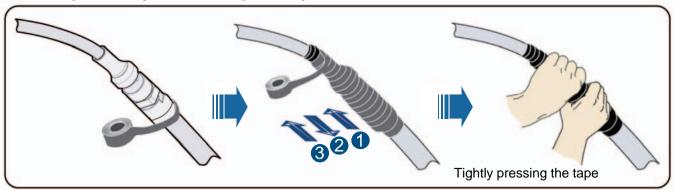
- The waterproof tape should be wrapped for an extra length of 20 mm away from the connectors at both ends.
- The tapes should be wrapped around the connector from the lower part to the upper part. When wrapped for another layer, the tapes may not be cut.
- When wrapping the waterproof tape, apply even force to extend the tape until the width of the tape is 1/2 of the original width.
- When wrapping the waterproof tape, ensure that the upper layer of the tape covers at least 50% of the lower layer.
- The insulating tape should be wrapped for an extra length of 20 mm away from the connectors at both ends.
- The last layer of the waterproof tape should be wrapped from the lower part to the upper part to prevent rainwater from infiltrating into the tape.



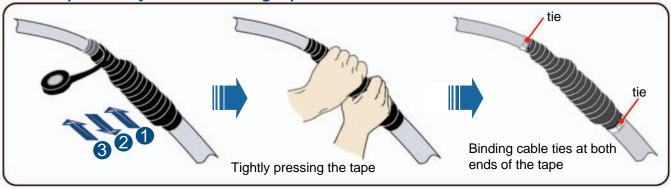
Waterproof tape

Insulating tape

1. Wrap three layers of waterproof tape.



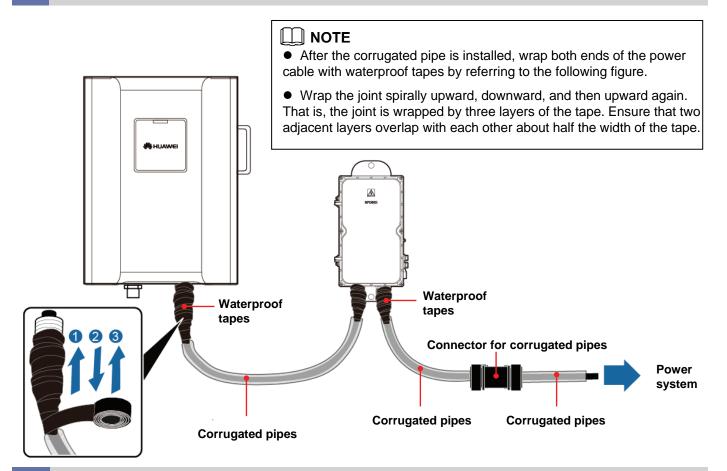
2. Wrap three layers of insulating tape.



Installing the Optical Module



Installing the corrugated pipes of AC power cable



9 Pin Assignment for the Wires of the RRU Alarm Cable (DC)

DB15 connector	Signal name of DB15 connector	Cord End Terminal	Wire Color	Wire Type	Label
X1.2	SWITCH_INPUT0+	X2	White/blue	Twisted pair	SWITCH_INPUT 0+
X1.3	GND	Х3	Blue		GND
X1.6	SWITCH_INPUT1+	X4	White/orange	Twisted pair	SWITCH_INPUT 1+
X1.7	GND	X5	Orange		GND
X1.10	RX485_TX-	X6	White/ green	Twisted pair	APM RX-
X1.11	RX485_TX+	X7	Green	1	APM RX+
X1.13	RX485_RX-	X8	White/ brown	Twisted pair	АРМ ТХ-
X1.14	RX485_RX+	X9	Brown		APM TX+

Changes History

This page describes the changes in the RRU3908 V1 Installation Guide.

●02 (2010-07-20)

This is the first commercial release.

Compared with (2010-05-04), the figure of the minimum clearance for RRU are optimized, and the minimum clearance for the RRU installed on a tower requirements is added.

•01 (2010-05-04)

This is the draft release.

HUAWEI TECHNOLOGIES CO., LTD.

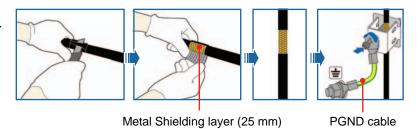
Huawei Industrial Base Bantian Longgang Shenzhen 518129 People's Republic of China www.huawei.com

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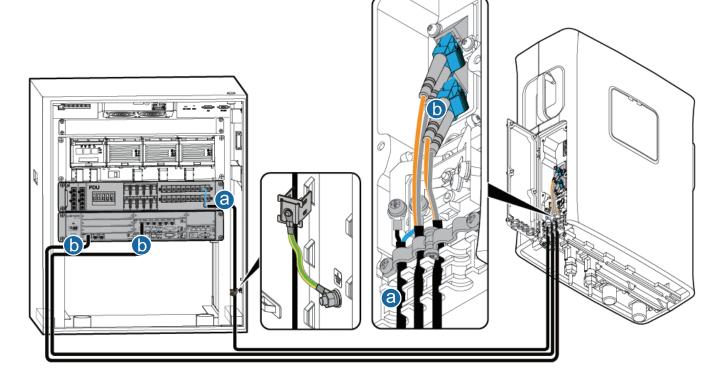
RRU Cable Installation Scenarios

RRU+APM30/APM30H

Grounding the shielding layer of the power cable:



- a DC RRU power cable
- (b) CPRI optical cable



MOTE

- The DC RRU power cable is connected to one of the LOAD4 to LOAD9 terminals of the PDU.
- Strip the jacket of the DC RRU power cable for a small part, press the exposed shielding layer on the strap, and then connect the PGND cable on the strap to the nearest grounding bolt on the side in the APM30/APM30H.
- Three power cables can be led through each ground clip.