

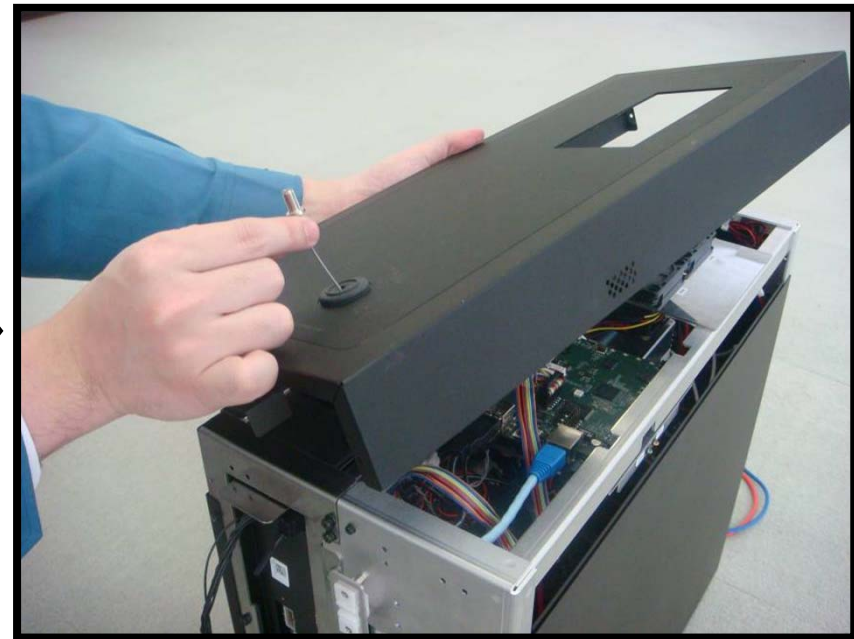
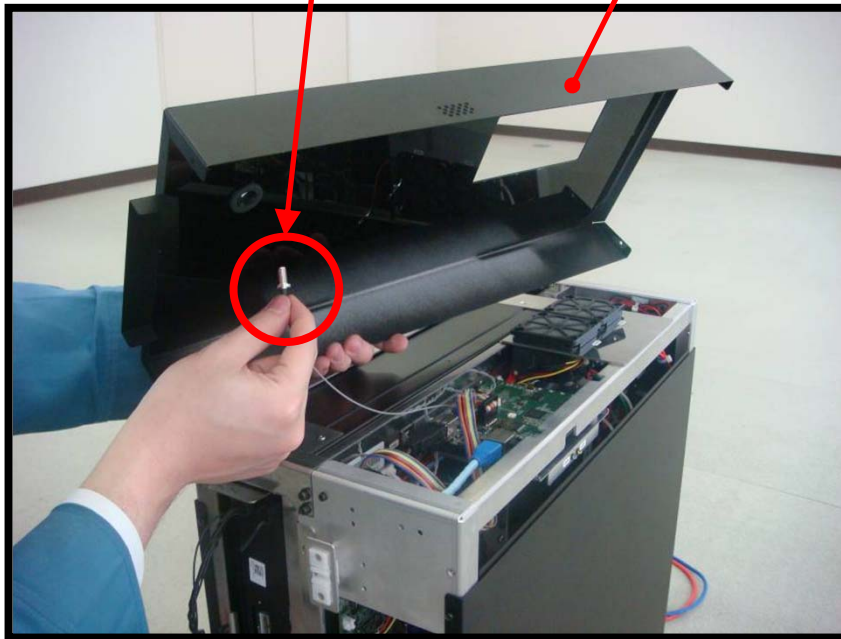
Energy Storage System “IJ1001SNBT”

Open the energy storage server using screw driver and install the lithium ion battery module

Fixing the top cover.

Insert the antenna cable

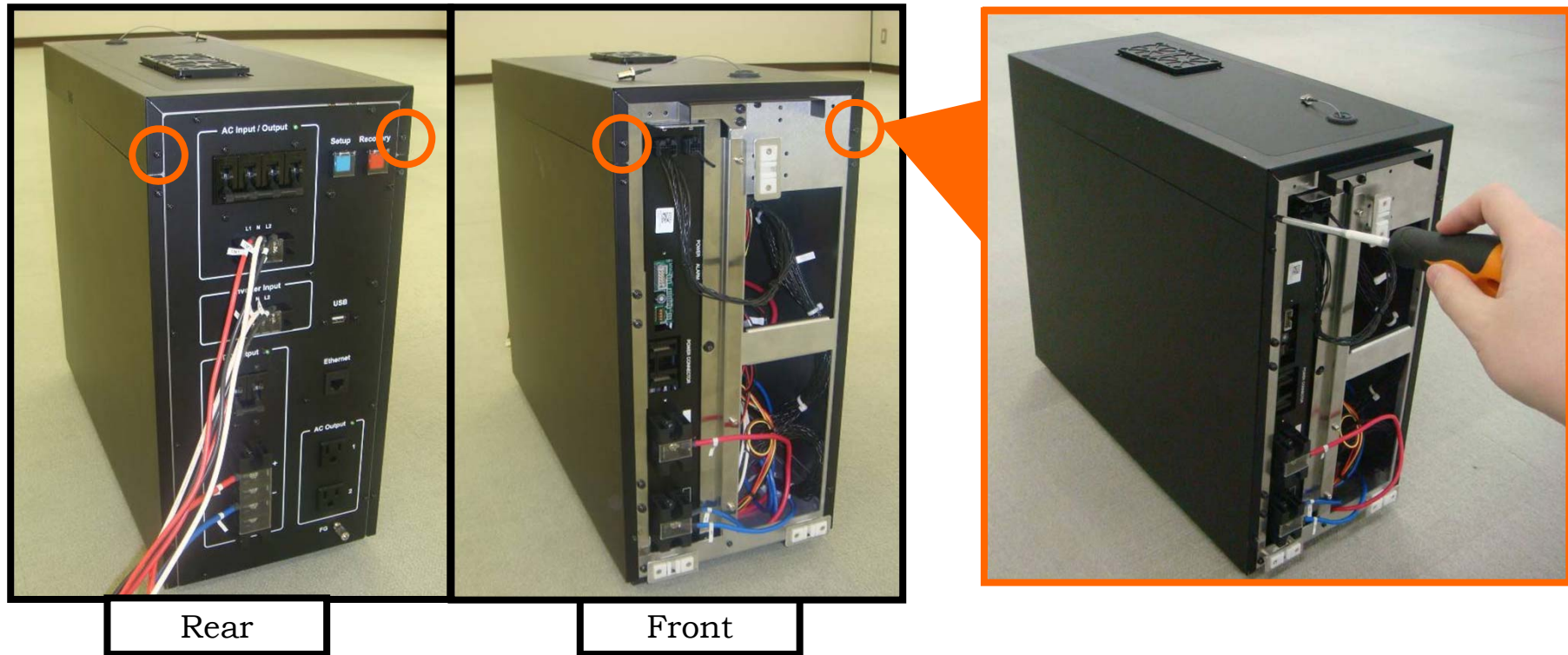
Top cover



Energy Storage System “IJ1001SNBT”

Open the energy storage server using screw driver and install the lithium ion battery module

Fixing the top cover.

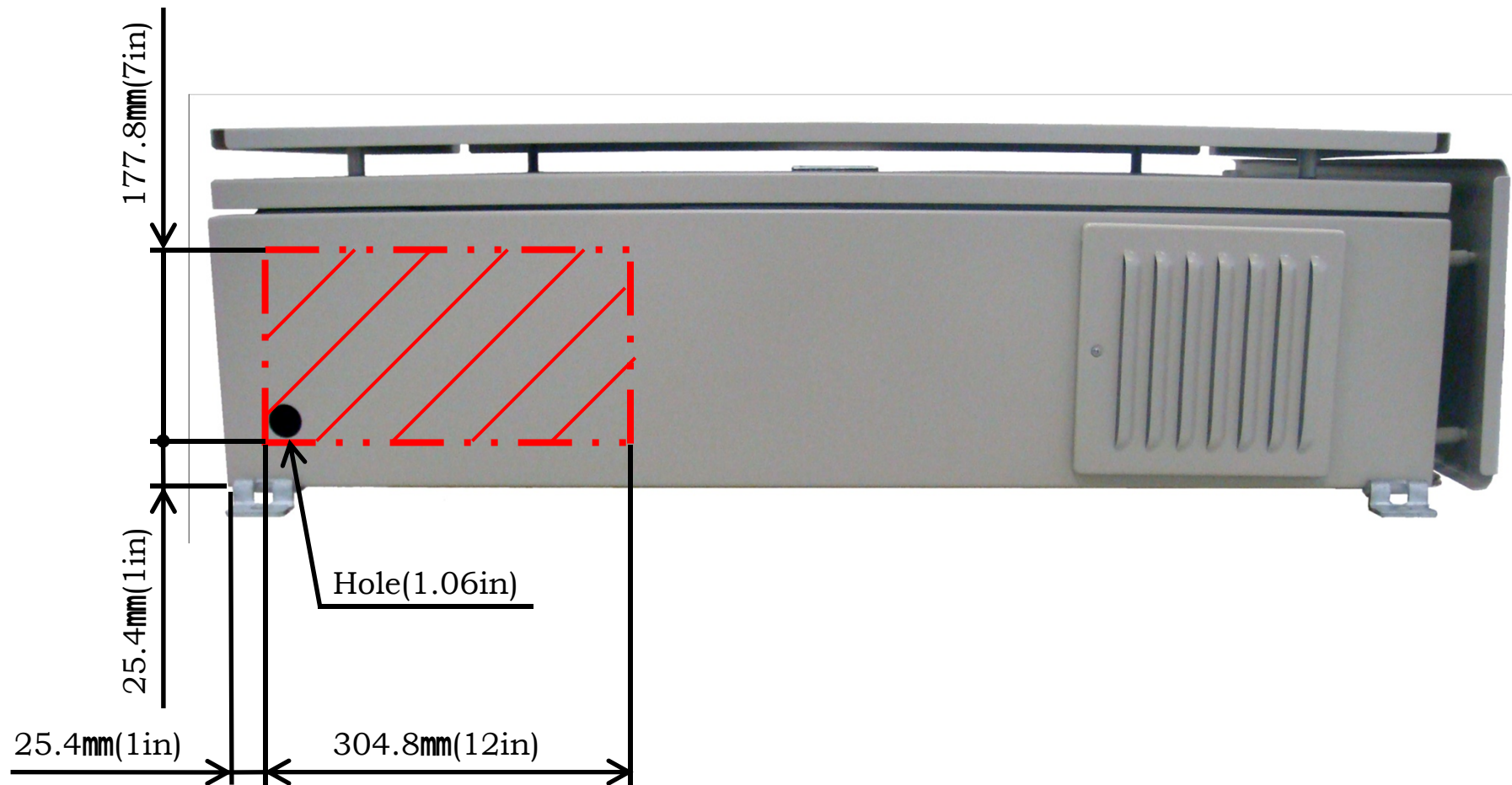


Screw : ⑥Screw (M4×10mm Black) ×4pcs

Energy Storage System “IJ1001SNBT”

Set the outer enclosure to the wall

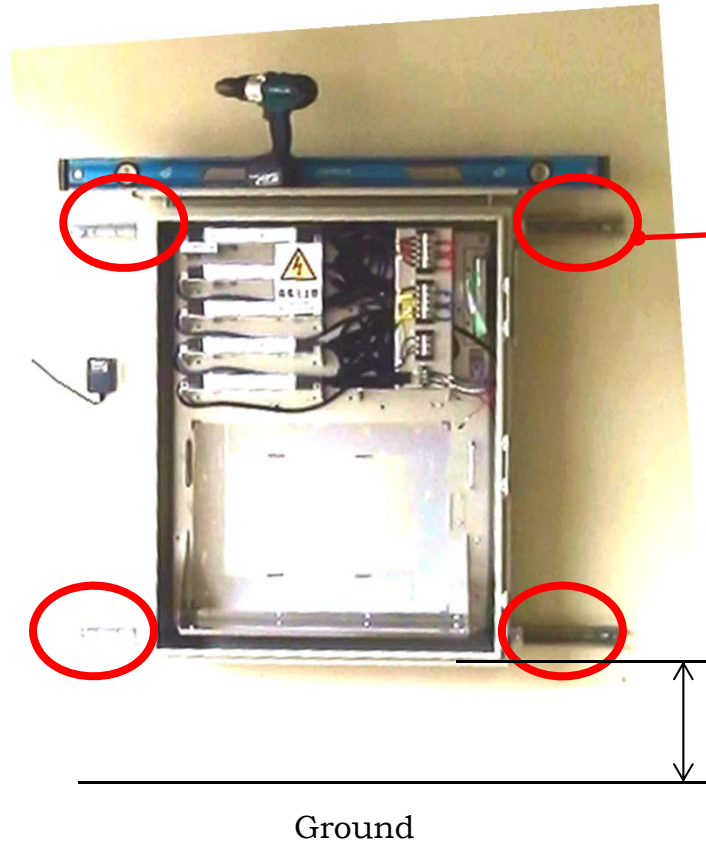
Make a hole for conduit inside the bellow area.



Energy Storage System “IJ1001SNBT”

Set the outer enclosure to the wall

Fixing the outer enclosure to the wall 4 bolts.



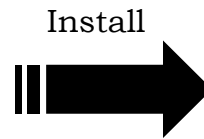
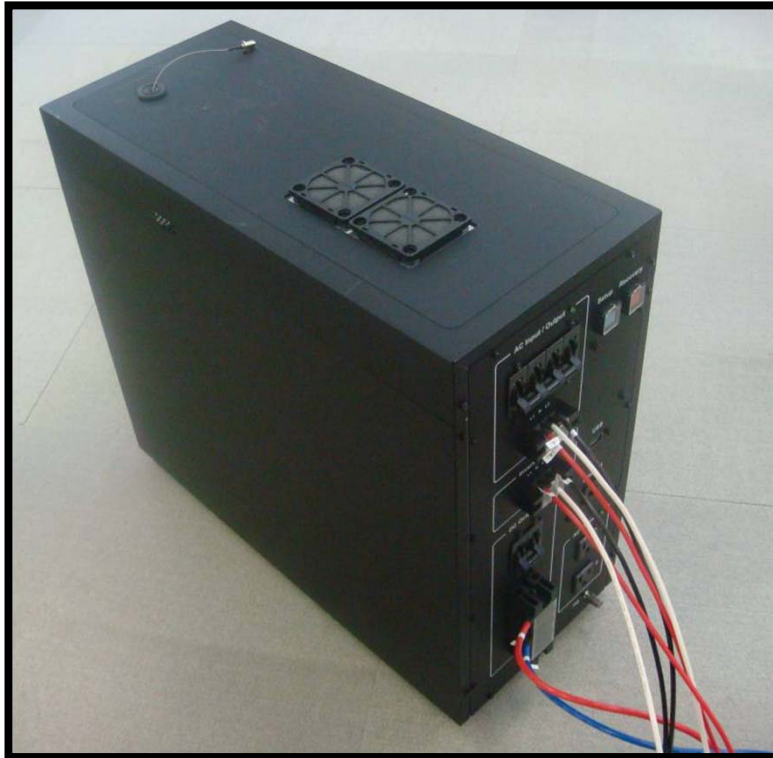
Bolt :
For Wood Wall Diameter 3/8 inch
Length : 3-1/4 inch
For Concrete Diameter 3/8 inch
Length 3 inch

Keep the distance 30cm or more
From the ground

Energy Storage System “IJ1001SNBT”

Install the energy storage box into the outer enclosure

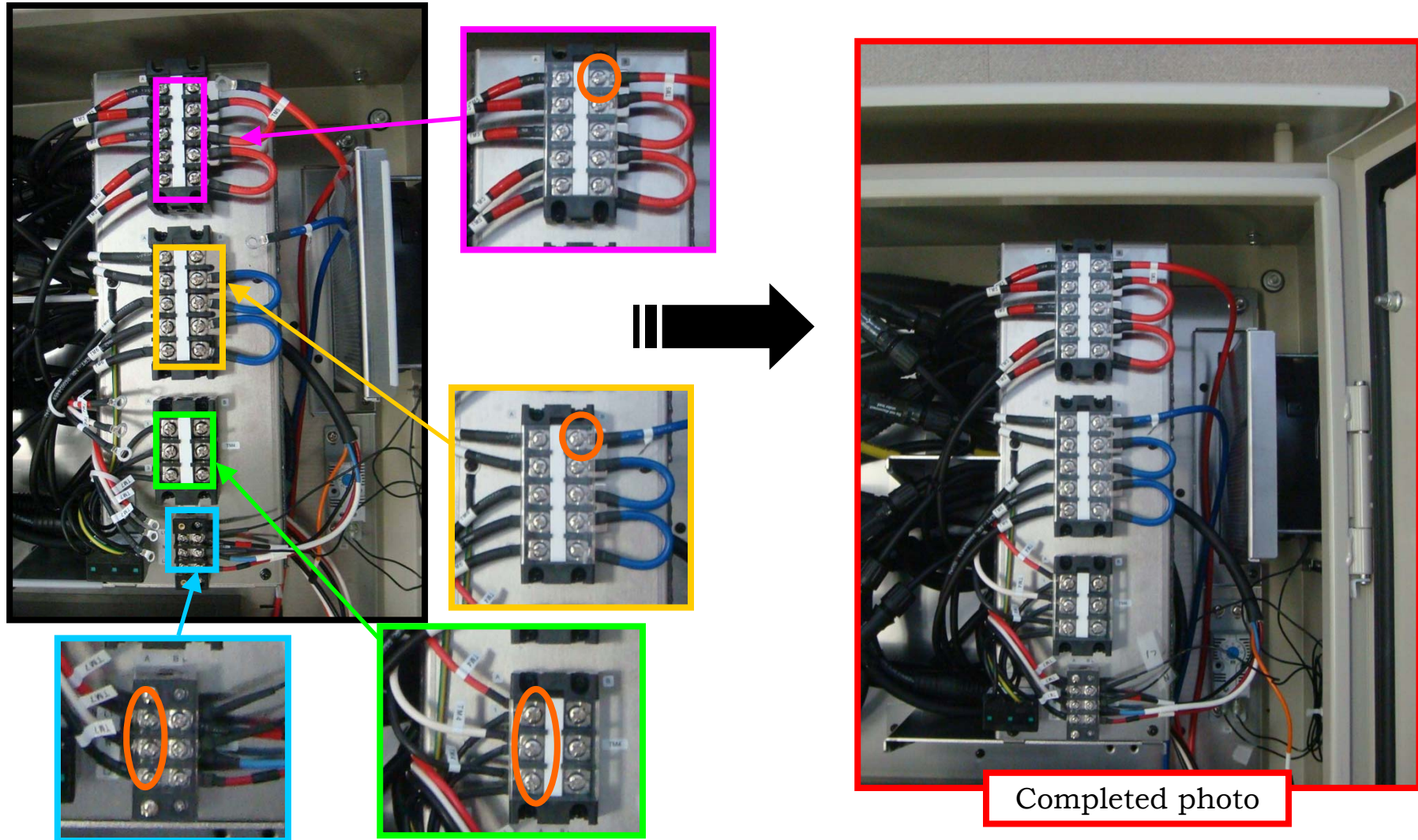
Install the energy storage server to the outer enclosure.



Energy Storage System “IJ1001SNBT”

Install the energy storage box into the outer enclosure

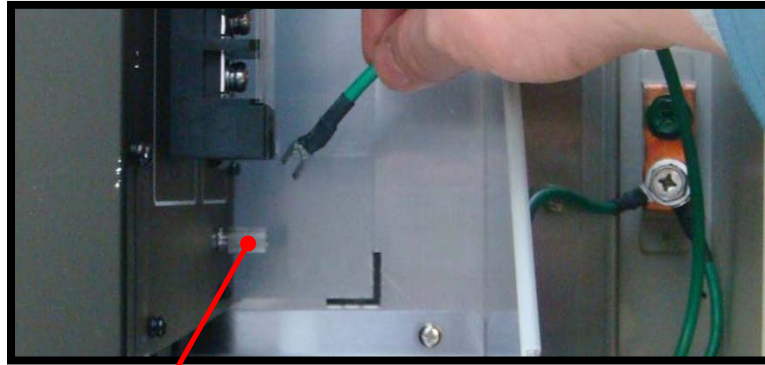
Wiring 8 position bellow.



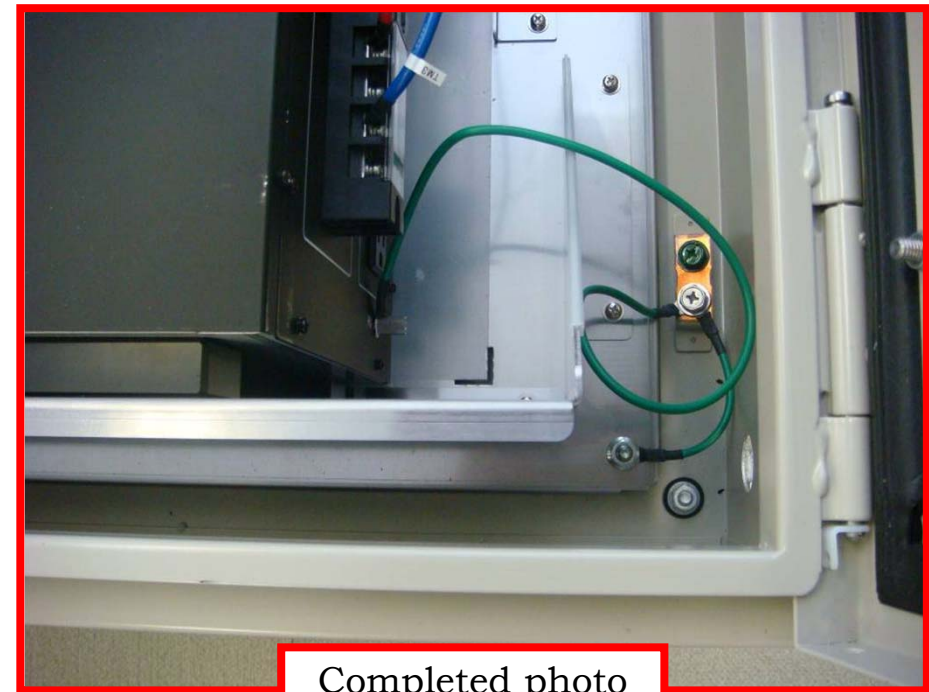
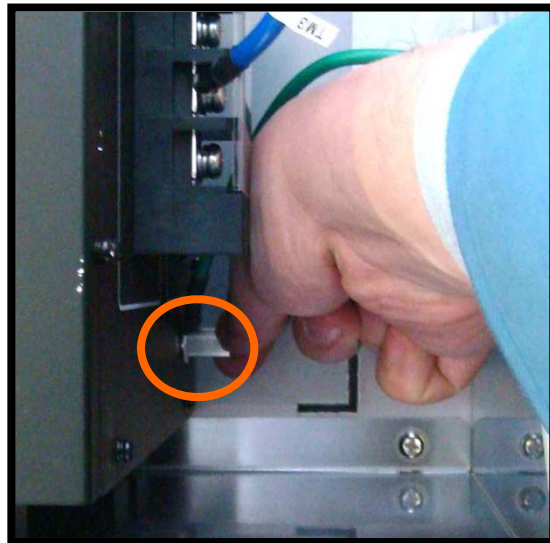
Energy Storage System “IJ1001SNBT”

Install the energy storage box into the outer enclosure

Wiring ground terminal using the grounding cable from outer enclosure to the energy storage server.



Ground terminal

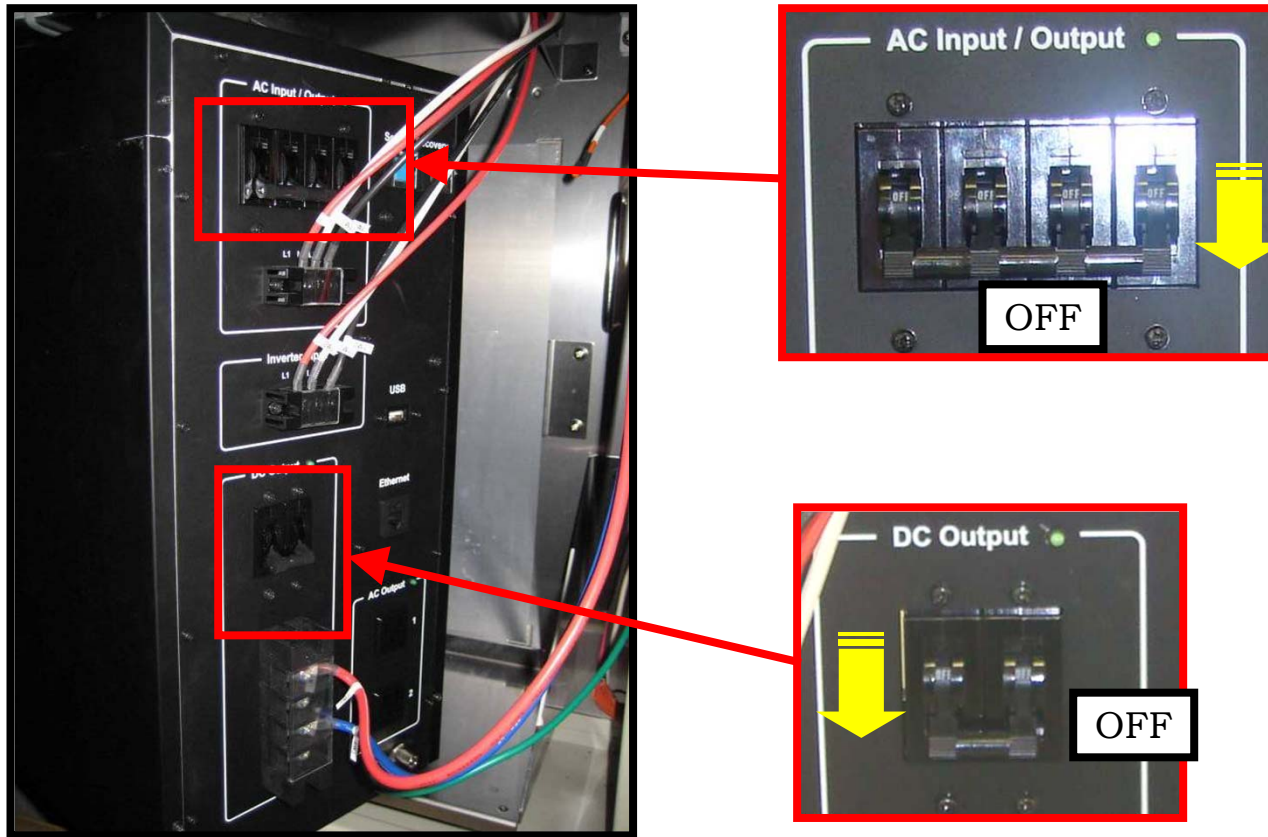


Completed photo

Energy Storage System “IJ1001SNBT”

Install the energy storage box into the outer enclosure

Check the circuit protector.

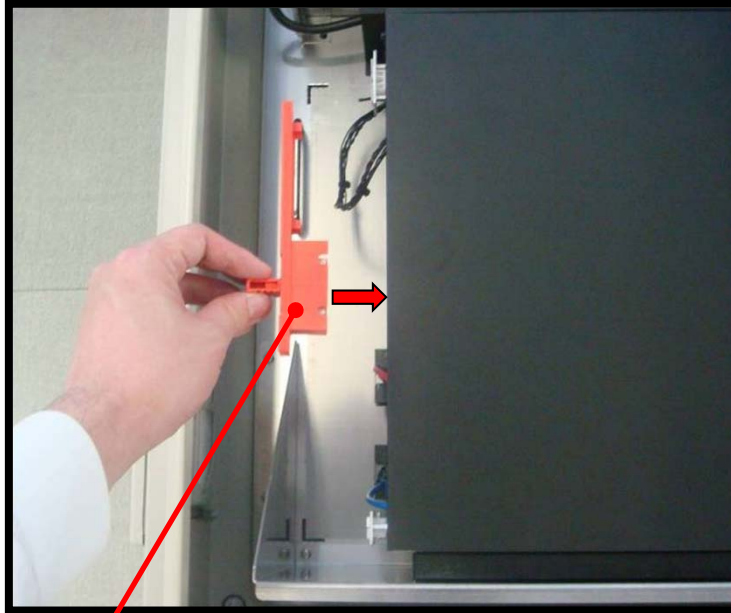


Confirm the circuit protector is off

Energy Storage System “IJ1001SNBT”

Install the energy storage box into the outer enclosure

Insert the fuse bar.



Fuse bar

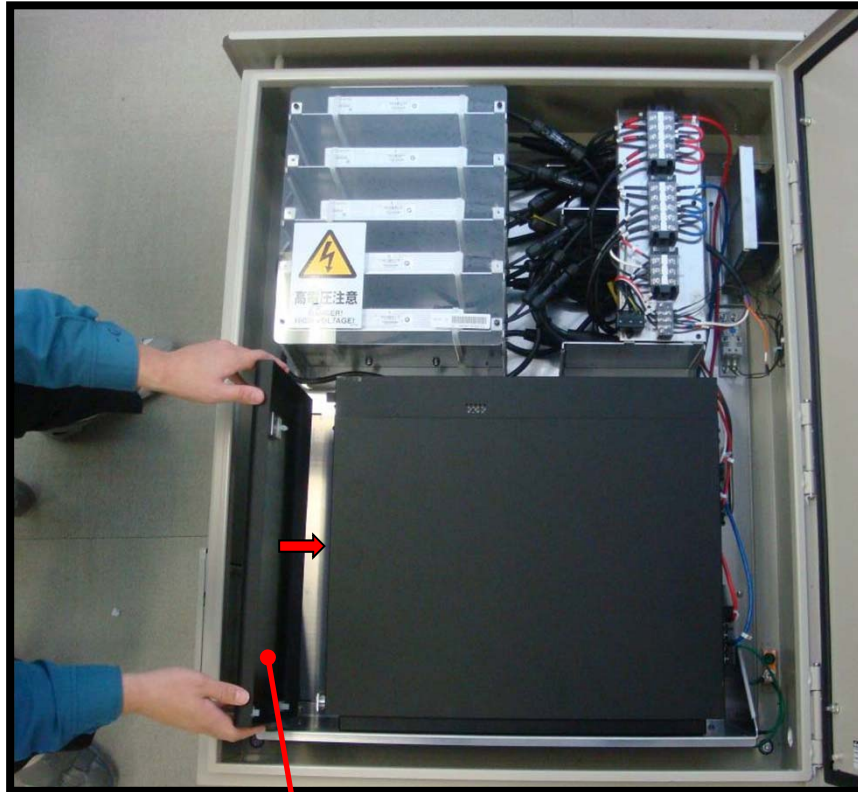


Screw : ⑦Screw (M3×8mm Black) ×2pcs

Energy Storage System “IJ1001SNBT”

Install the energy storage box into the outer enclosure

Insert the front panel of the server.



Front panel

Energy Storage System “IJ1001SNBT”

Install the energy storage box into the outer enclosure

Fixing the jig-3.



Jig-3



Screw : ⑧Screw (M5×10mm) ×2pcs

Energy Storage System “IJ1001SNBT”

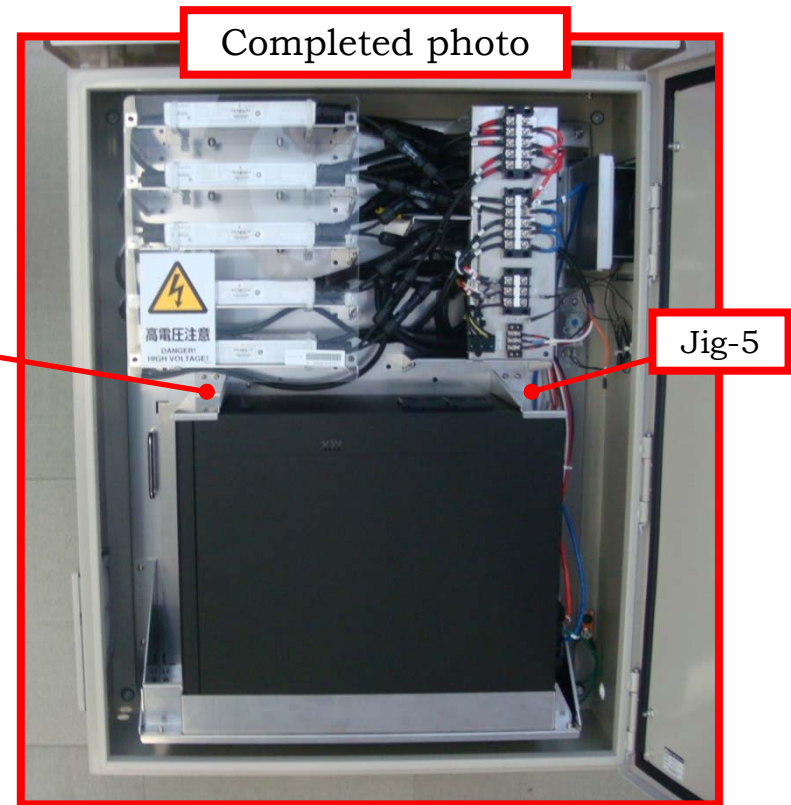
Install the energy storage box into the outer enclosure

Fixing the jig-4,5.



Jig-4

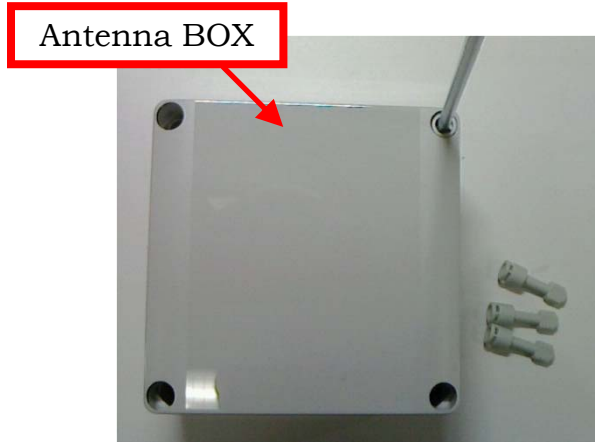
Jig-5



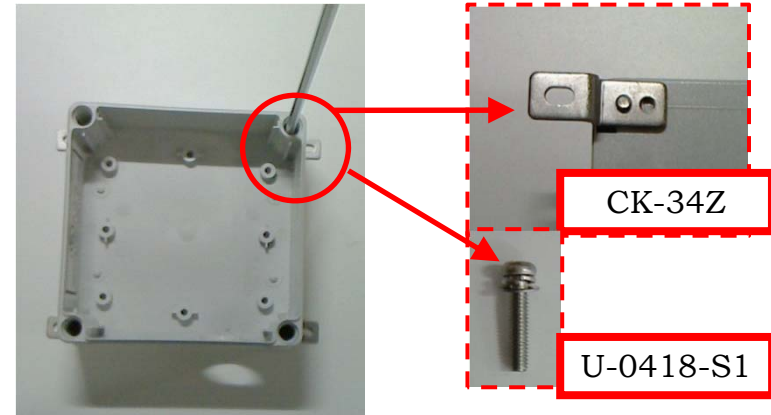
Screw : ⑧Screw (M5×10mm) ×4pcs

Assemble the WiFi antenna to the outer enclosure

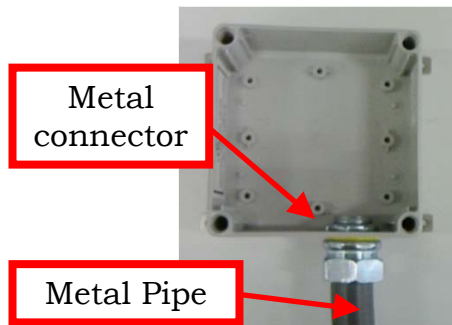
Wear metal parts and fix the metal pipe.



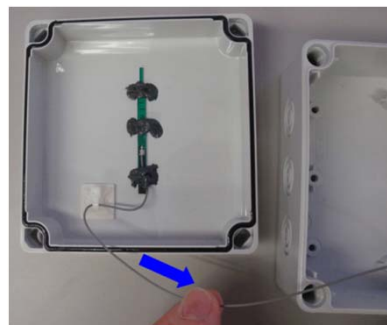
Screw out



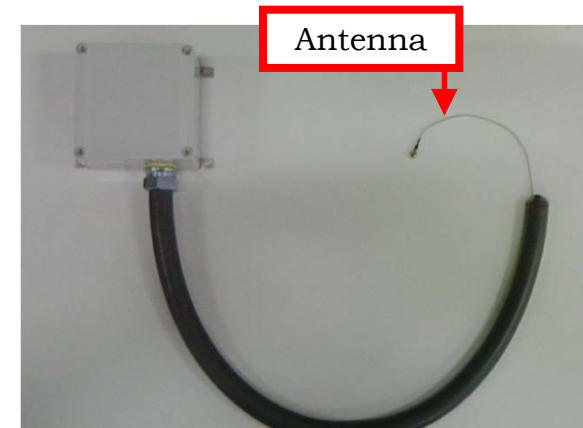
Wear metal parts



※Insert the pipe then lock the connector



Insert antenna cable

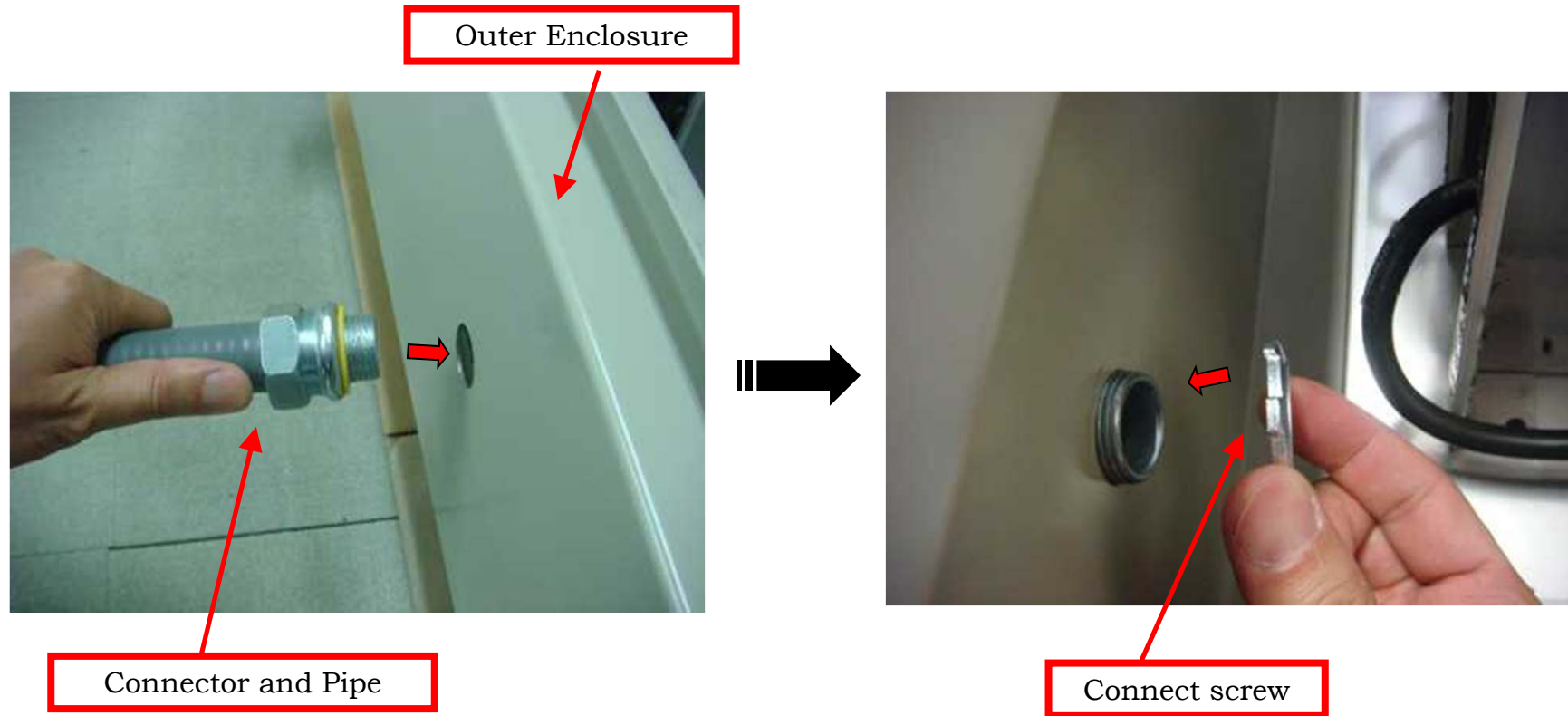


Completed

Energy Storage System "IJ1001SNBT"

Assemble the WiFi antenna to the outer enclosure

Fix the pipe to the outer enclosure.



Straight Liquid tight Connector 3/4" Trade Size
Liquid tight Flexible Steel Conduit 3/4" Trade Size

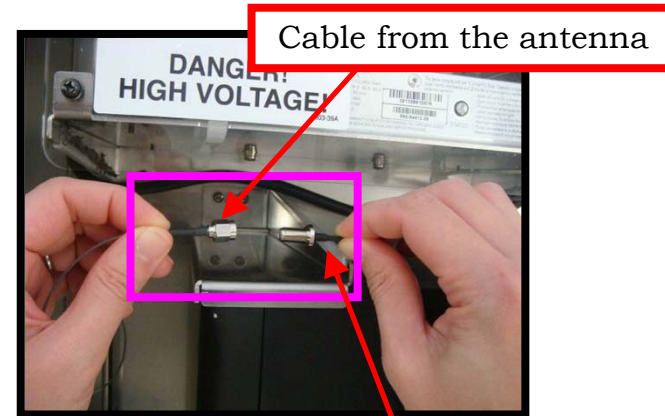
Energy Storage System “IJ1001SNBT”

Assemble the WiFi antenna to the outer enclosure

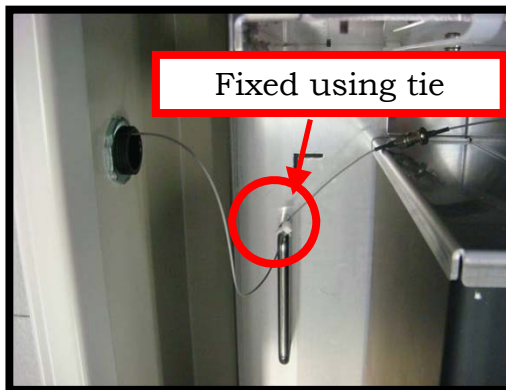
Connect to the antenna cable and fix the cable inside the outer enclosure.



※Insert the pipe then lock the connector



Cable from the energy storage server



Fixed using tie



Completed

Energy Storage System “IJ1001SNBT”

Set the connecting box and conduit

Overview

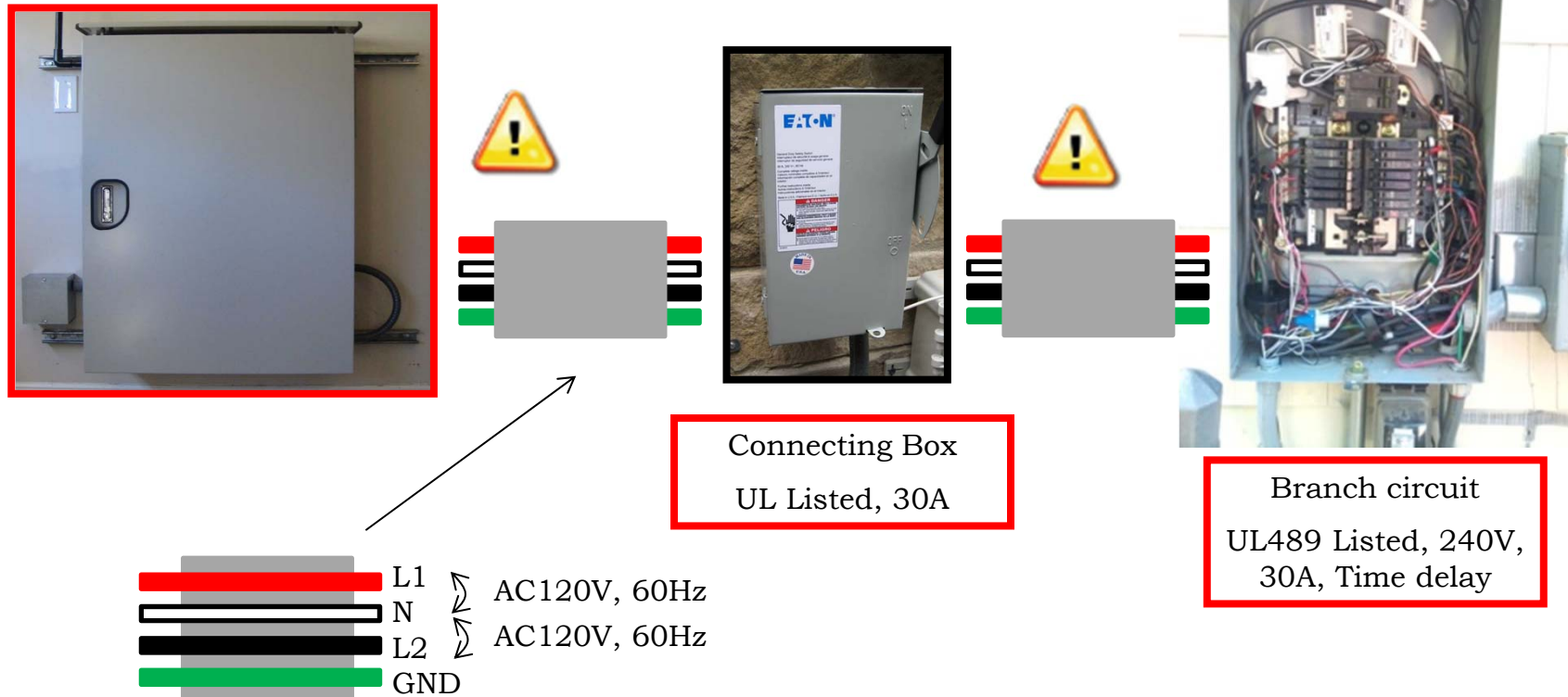
Set the connecting box to the wall and conduit from the energy storage system and to distribution panel.

Branch circuit inside the distribution panel required UL489 Listed, rated 240Vac, 30A, Time delay.

3 Cables are used, L1(Red) and N(White) connected to 120V, 60Hz.

L2(Black) and N connected to 120V, 60Hz.

Before start the installation, please refer to the next page.



Energy Storage System “IJ1001SNBT”

Set the connecting box and conduit



Remarks

The field-wiring terminals shall be connected using the following wire types:

AC connections:

18 in./lbs. - 22 in./lbs. tightening torque
#10 AWG - #14 AWG
wire type – rated 90C
Copper

Equipment Electrode Terminal:

75 in./lbs. – 88 in./lbs. tightening torque
#8 AWG - #10 AWG
wire type – rated 90C
Copper

Limits of accuracy of frequency measurement (+ 0.1 Hz)

Limits of accuracy of Voltage measurement (+ 6 V)

For conduit hubs, use only UL Listed rain tight for entry into the enclosure.

AC output / neutral is not bonded to ground.

The AC input and AC output circuits are isolated from the enclosure and that system grounding, if required by Section 250 of the National Electrical Code, ANSI/NFPA 70, is the responsibility of the installer. The National Electrical Code, ANSI/NFPA 70 wiring methods are to be used.

use if needed

The following pressure terminal connectors / component terminal assemblies are allowed / provided for field installation with this unit.

Manufacturer : OSADA Co., Ltd (E121961)

Model #Type : OK-147-3P

Acceptable wire gauges : 16-10 AWG

Energy Storage System “IJ1001SNBT”

Set the connecting box and conduit

Remarks

This charge controller / inverter is intended to charge batteries of the following type 51.2V Li-ion type only.

This inverter is intended for operation in an environment having a maximum ambient temperature of 60 degrees C.



CAUTION To reduce the risk of fire, connect only to a circuit provided with 30 amperes maximum branch-circuit over current protection in accordance with the National Electrical Code, ANSI/NFPA 70. Units with an integral ground-fault detector/interrupter [JWC1]



CAUTION Risk of electric shock. Normally grounded conductors may be ungrounded and energized when a ground-fault is indicated.

Energy Storage System "IJ1001SNBT"

Set the connecting box and conduit

Conduit work.

