GreenVolt Pro
Quick Installation
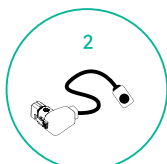
GREEN ESS™
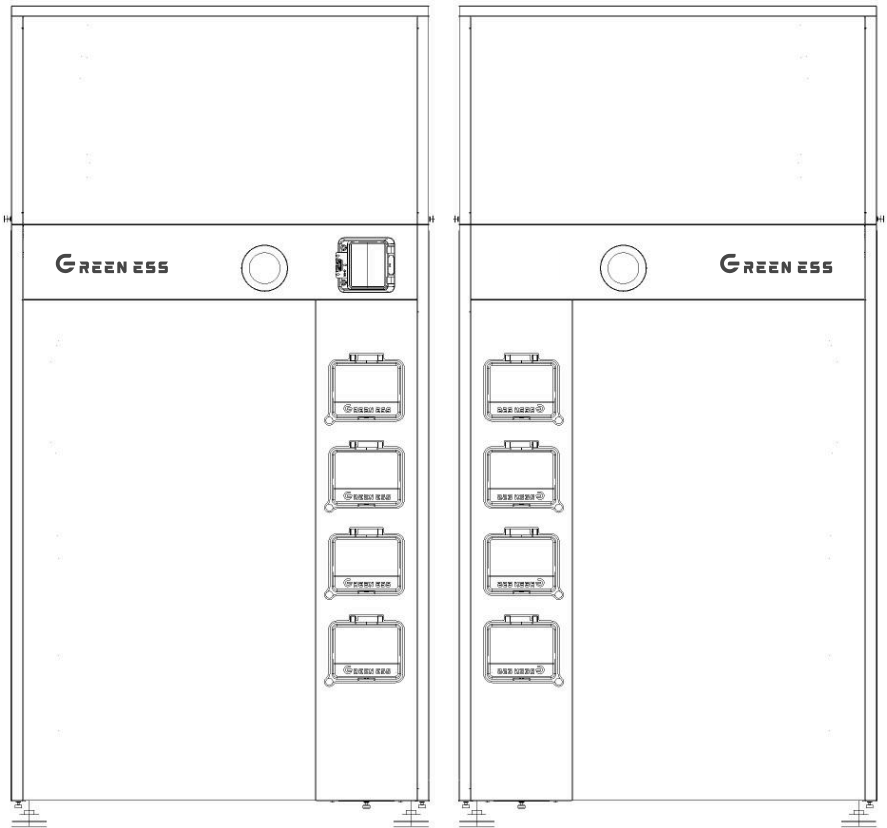
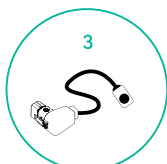GreenVolt Pro
Model: BS5B/HS5B
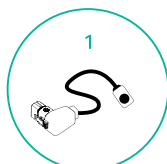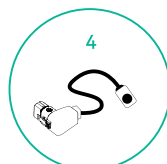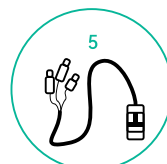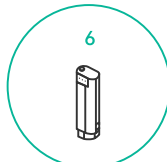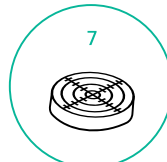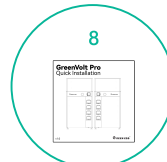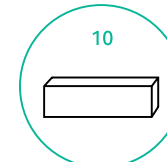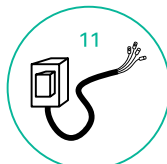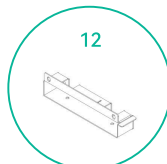
1	7240 Cable 1 – 346mm
2	7240 Cable 1 – 510mm
3	7240 Cable 1 – 640mm
4	7240 Cable 1 – 877mm
5	Meter Cable
6	Wifi Dongle
7	Leveler
8	Install Manaul
9	Cross-head Combination Screw
10	Positioning Block
11	Inverter Cable 2
12	Inverter Bracket – Left
13	Inverter Bracket – Right
14	Cable 3

1

M8*60mm*2

690mm

Ground Leve
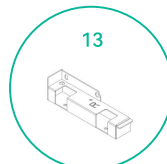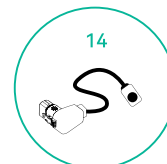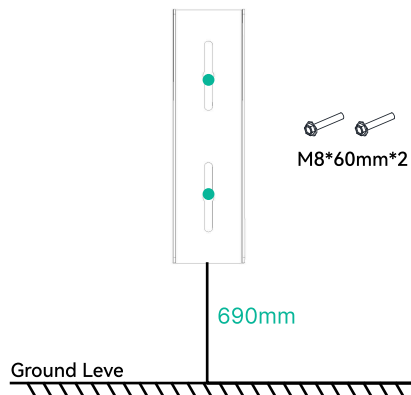
Secure back clip to wall

2

M4*10mm*2
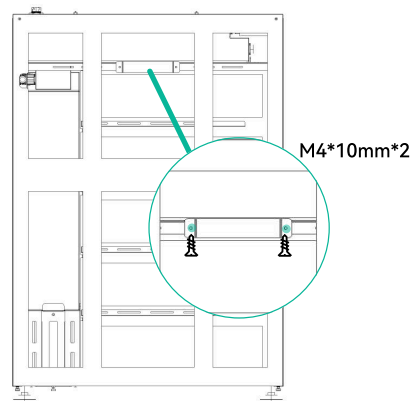
Install the hook on the cabinet

3

Hang cabinet onto back clip

4

A

Adjust the cabinet's level using the four
feet at the bottom

5

If installing only one device
Skip steps 6-9
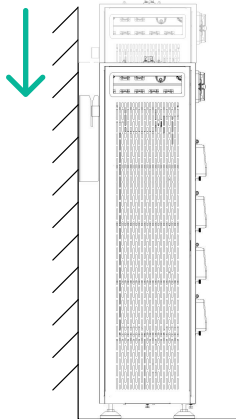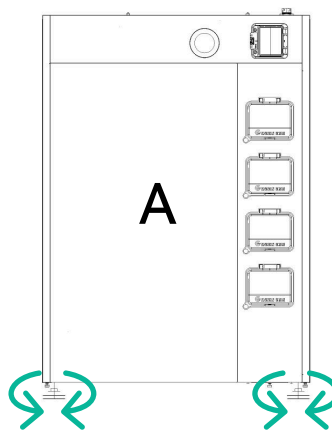
6

>600mm

A

>150mm
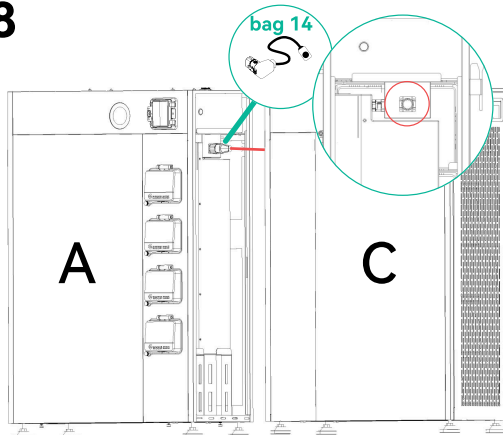
C

>600mm

Secure the device C
Repeat steps 1-4 for the device C

7

Unscrew the screws and remove A&Cs panels

8

bag 14

A

C

Connect one end to A

9

bag 14

A   C

Connect the other end to C

10

bag 12/13

A
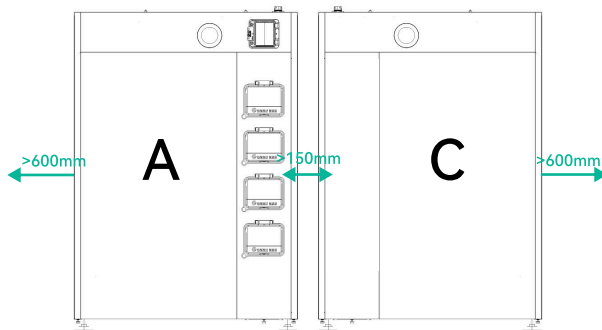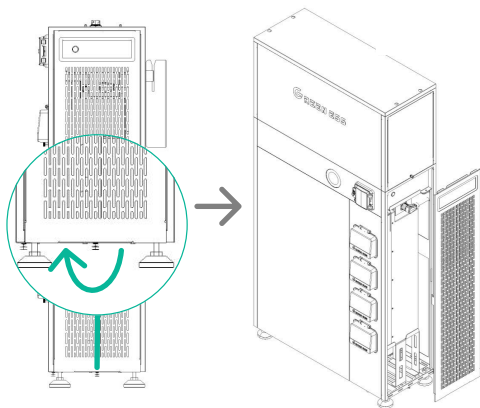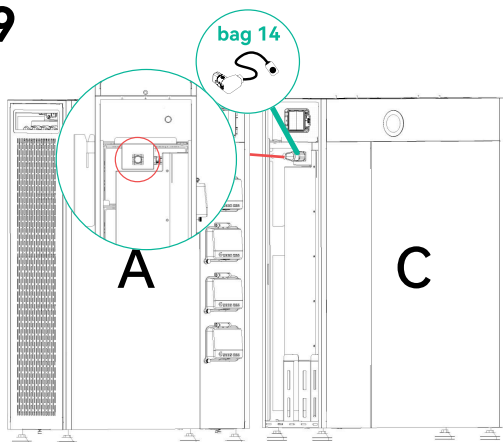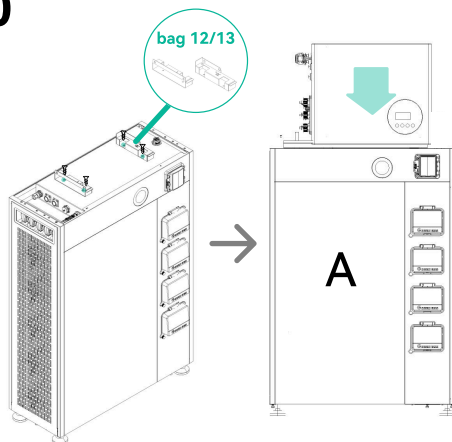
Install the inverter on Device A

11

Left   Right
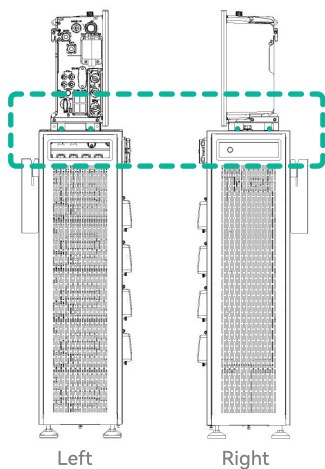
Secure the inverter with 4 screws

12

Install cables

13

bag 11

RS485-white cable
CAN-black cable
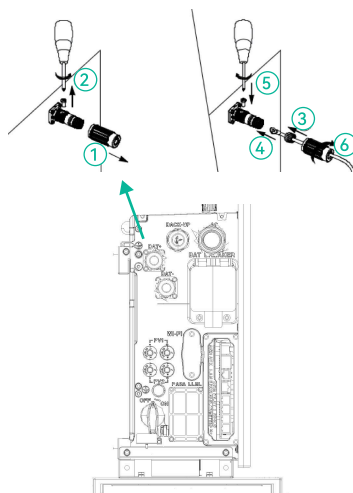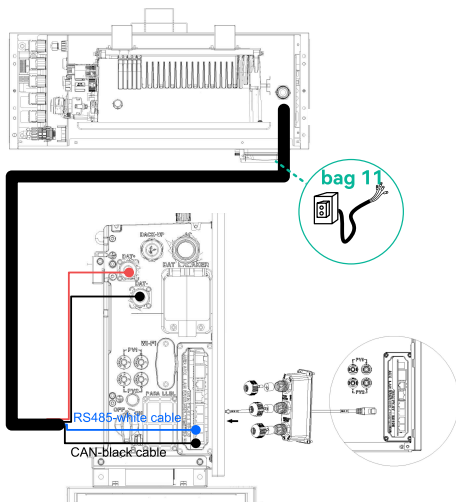
Connect the Inverter

14

N

PE

L

L

PE

N
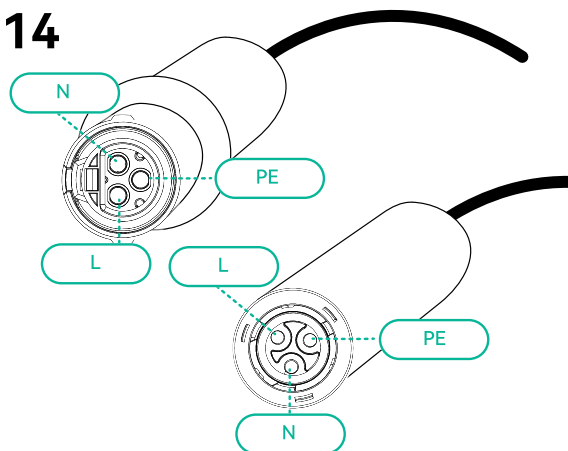
Wire AC cables
(use 6-10mm2 outdoor cables)

15

Φ13-18mm

Approx. 60mm
For "L"and "N"

7-9mm

Approx. 65mm for PE
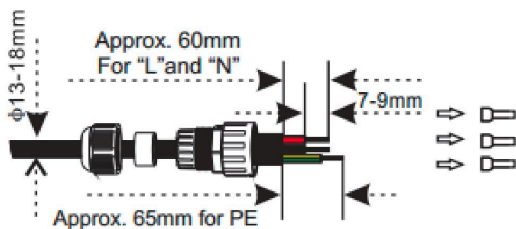
Install the AC grid. Three-core (L, N and PE) outdoor copper cable

16

L

N

PE

Insert the crimped conductors, L, N
and PE into corresponding terminals
and tighten the screws
(torque 1.5±0.1N·m).
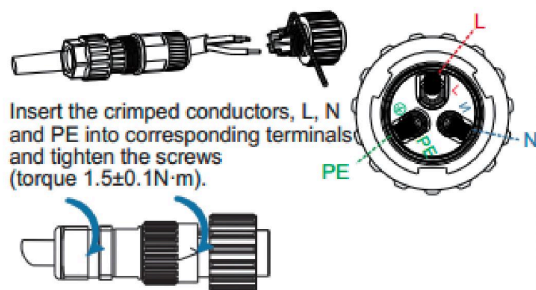
Assemble the locking cap, threaded sleeve and
swivel nut together.

17
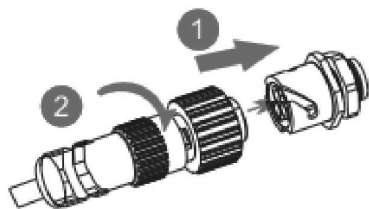
Align the AC connector. Plug the Ac connector into the jack and screw tight

18

Install AC backup. Three-core (L,N and PE)outdoor copper cable Conductor

19

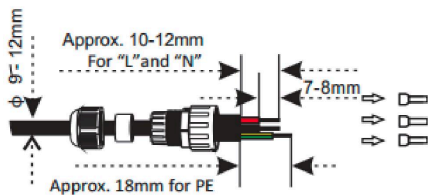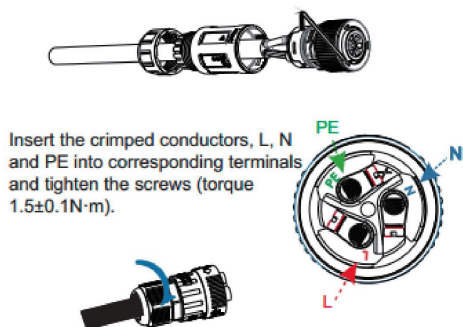Insert the crimped conductors, L, N and PE into corresponding terminals and tighten the screws (torque 1.5±0.1N·m).

Assemble the locking cap, threaded sleeve and swivel nut together

20
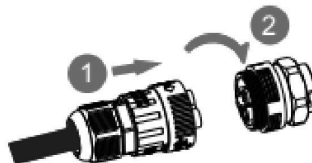
Plug the connector into the socket and tighten firmly.

21

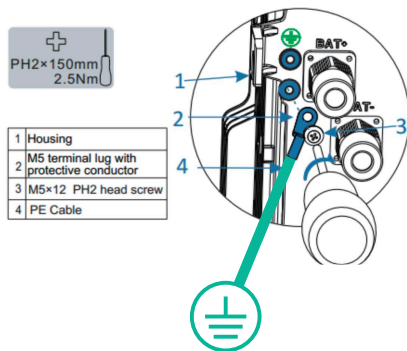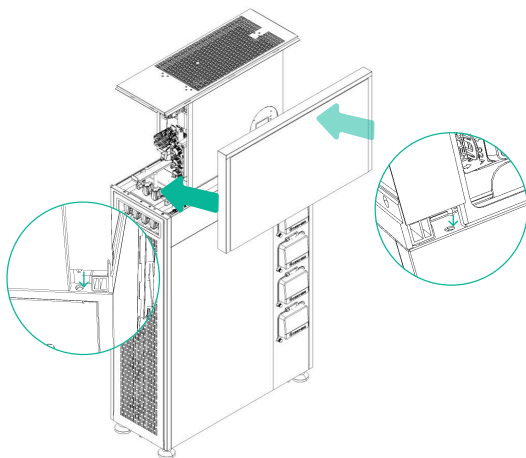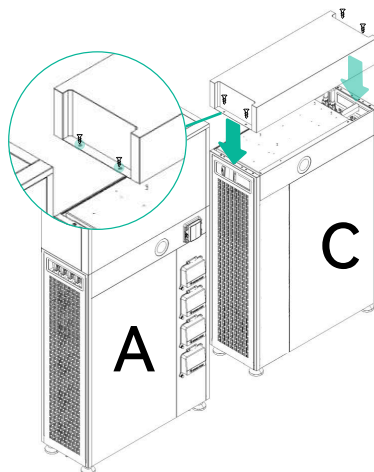| PH2×150mm 2.5Nm	
1	Housing
2	M5 terminal lug with protective conductor
3	M5×12 PH2 head screw
4	PE Cable

Inverter grounding

22
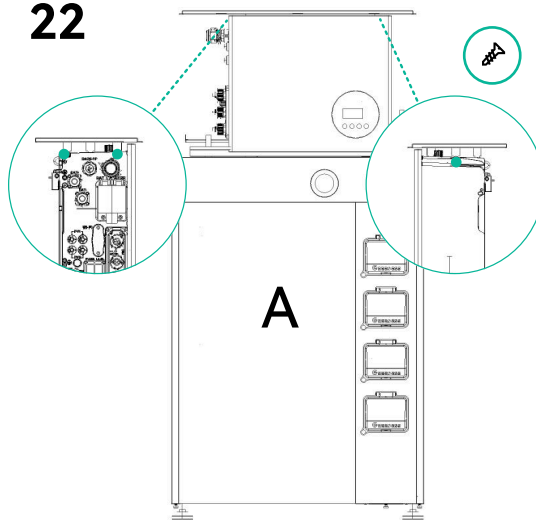
Install and secure the Enclosures
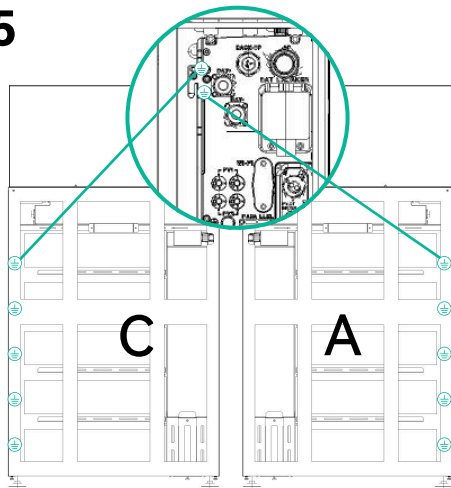
23

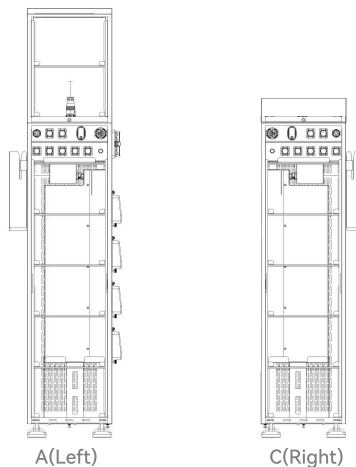Align with the positioning holes and install the front panel
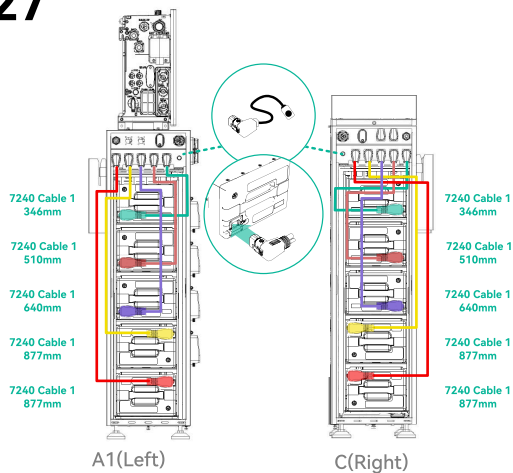
24

Secure the panel of Device C
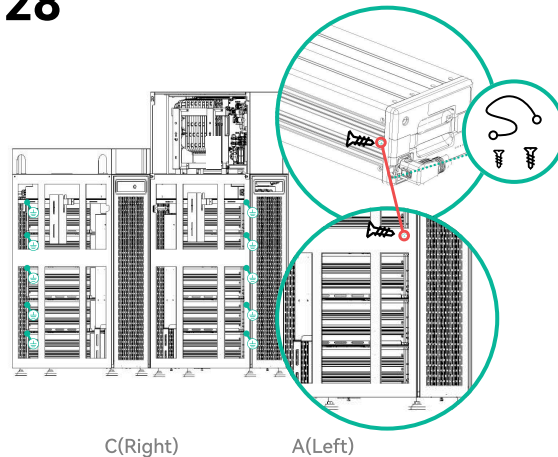
25

Ground the cabinet after connection

26

A(Left)   C(Right)

Open the left-side panel of Cabinet A
and the right-side panel of Cabinet C

27
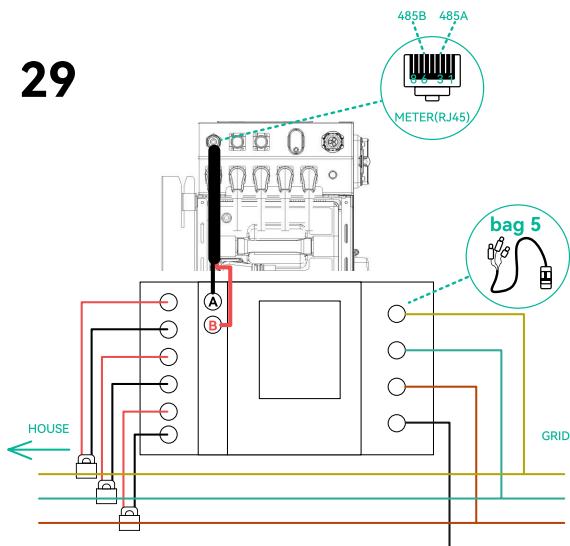
7240 Cable 1
346mm

7240 Cable 1
510mm

7240 Cable 1
640mm

7240 Cable 1
877mm

7240 Cable 1
877mm

7240 Cable 1
346mm

7240 Cable 1
510mm

7240 Cable 1
640mm

7240 Cable 1
877mm

7240 Cable 1
877mm

A1(Left)   C(Right)

Install the battery

28

C(Right)   A(Left)

Ground the battery and cabinet

29

485B 485A

METER(RJ45)

bag 5

A
B

HOUSE

GRID

Take out the No. 9 accessory bag. Wire the Meter & CT's
(All CT Arrows should point towards the house)

30

bag 6
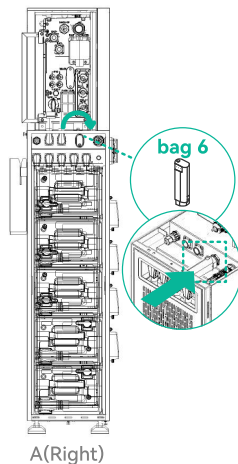
A(Right)

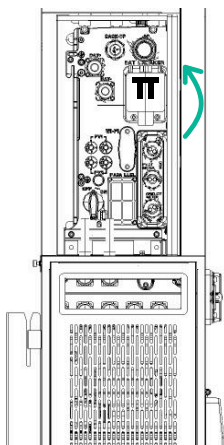Install the WiFi stick clockwise for deviceA

31

A(Left)   B(Right)
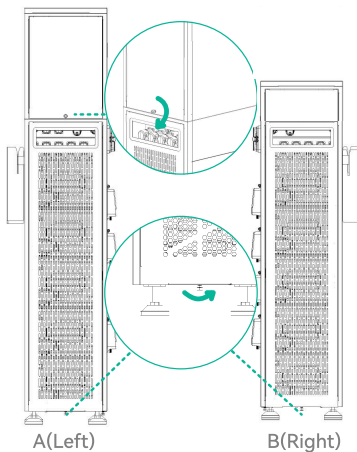
Install the left-side door panel and the
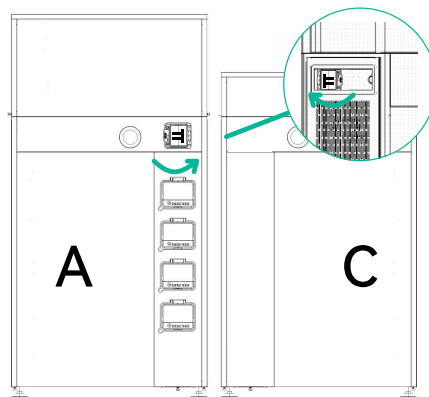right-side door panel

32
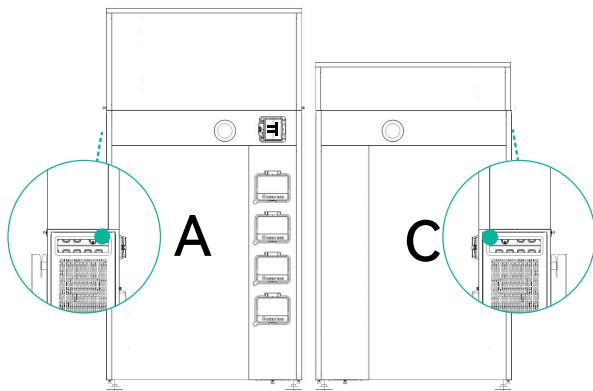
OFF

ON
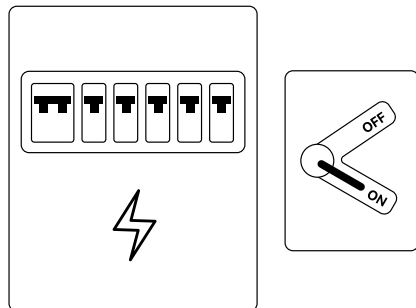
Switch on the Grid Breakers

33

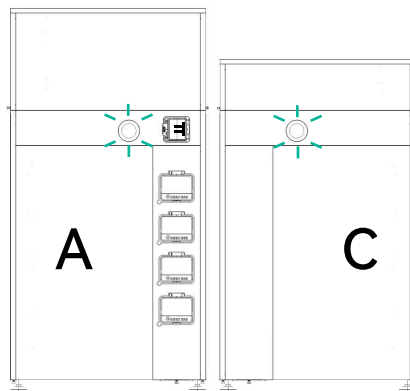Turn on the inverter switch

34

Turn on the main control switch
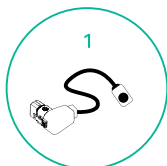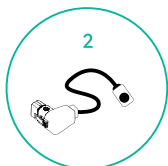
35

Press the start button

36
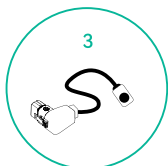

The A&C screen shows the SOC
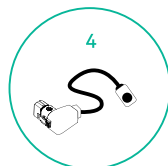
GreenVolt Pro
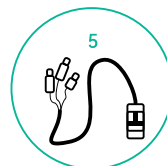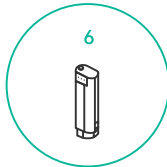# Model: 3PH10K

1
7240 Cable 1 – 346mm

2
7240 Cable 1 – 510mm

3
7240 Cable 1 – 640mm

4
7240 Cable 1 – 877mm

5
Meter Cable

6
Wifi Dongle

7
Leveler

8
Install Manaul

9
Cross-head Combination Screw

10
Positioning Block

11
Inverter Cable 2
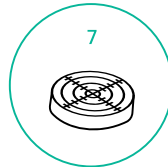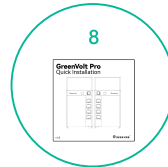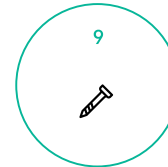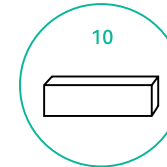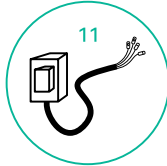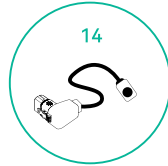
14
Cable 3

1

Secure back clip to wall
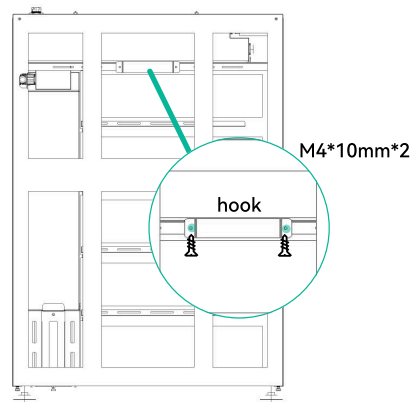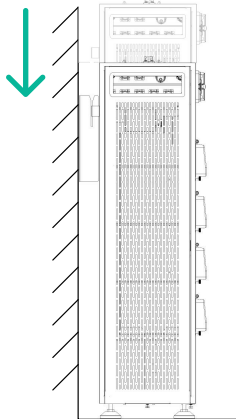
M8*60mm*2

690mm

Ground Leve

2

Install the hook on the cabinet

M4*10mm*2
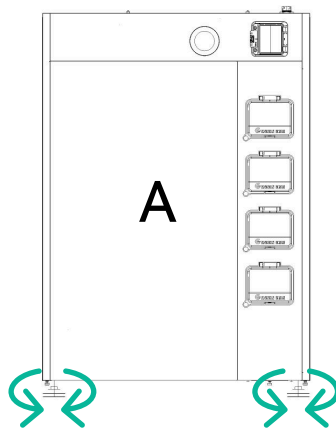
hook

3

Hang cabinet onto back clip

4

A

Adjust the cabinet's level using the four feet at the bottom

5

If installing only one device
Skip steps 6-9

6

>600mm   A   >150mm   C   >600mm
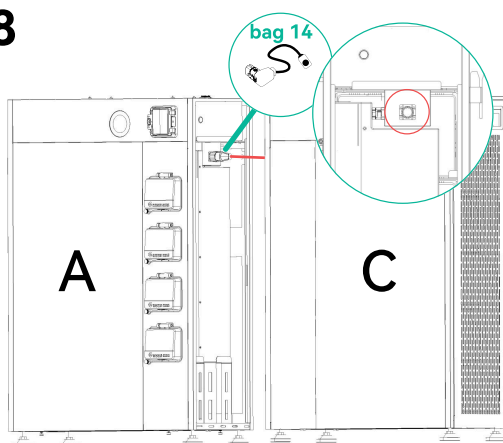
Secure the device C
Repeat steps 1-4 for the device C

7

Unscrew the screws and remove A&Cs panels

8

bag 14

A   C

Connect one end to A

9

bag 14

A

C

Connect the other end to C

10

M6*60mm*4
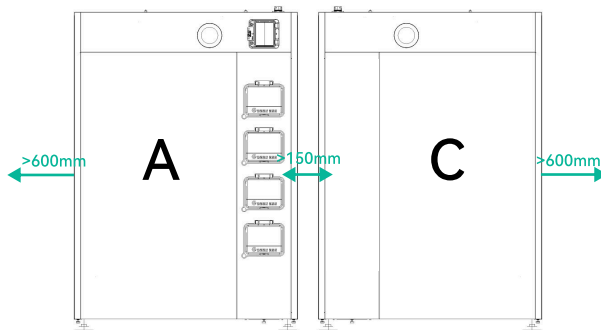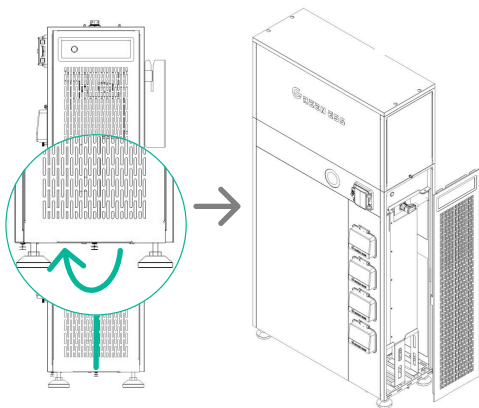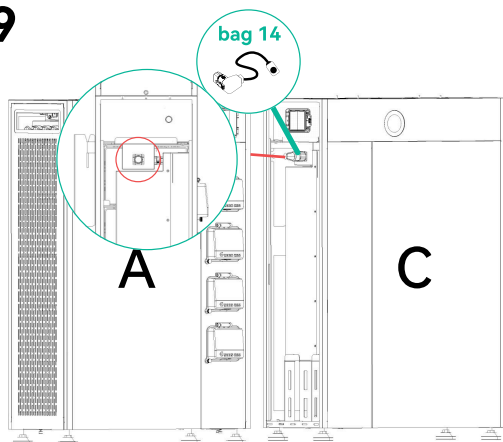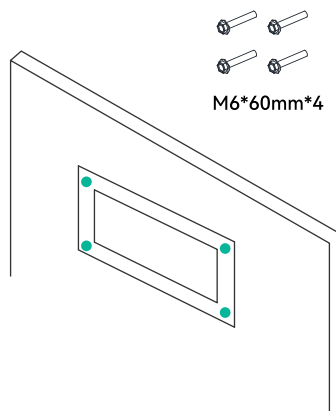
Secure the mounting bracket

11

≥500mm

≥500mm

≥500mm

≥1000mm

≥500mm

Mounting the inverter

12

Battery port

A

bag 11

Connect the Inverter to Device A

13

7mm

7mm

Connect the Inverter to Device A

14

NO	Color	BMS1	RS485
1	Orange&White	–	485-B
2	Orange	–	485-A
3	Green&White	–	–
4	Blue	CAN-H1	–
5	Blue&White	CAN-L1	–
6	Green	–	
7	Brown&White	–	
8	Brown	–	

Install the RS485 & CAN.

15

BMS1

RS485
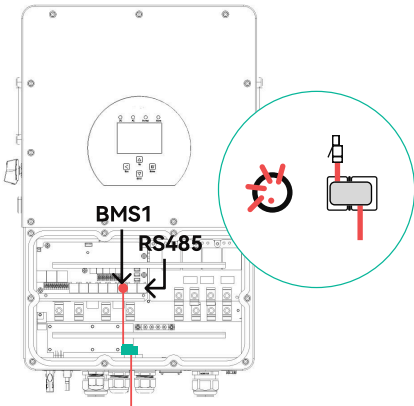
Thread the BMS communication cablethrough the magnetic
ring and wrapit around the magnetic ring four times.

16

GRID

GEN
LOAD

E-BAR

Install the AC wire
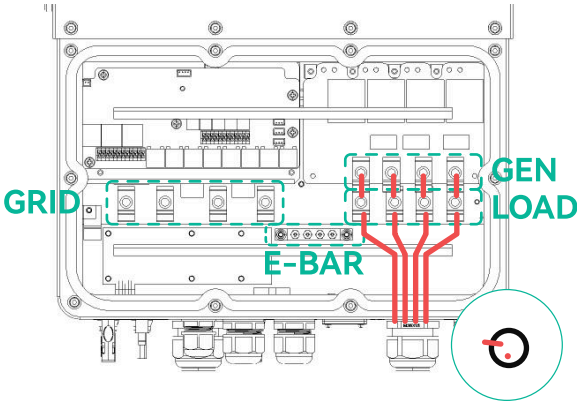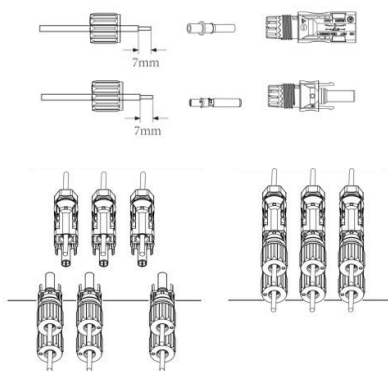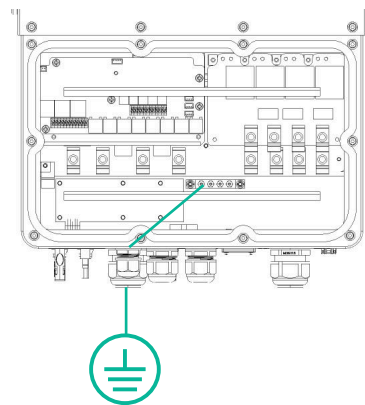Wrap the wire of Load port one lap around the magnetic ring
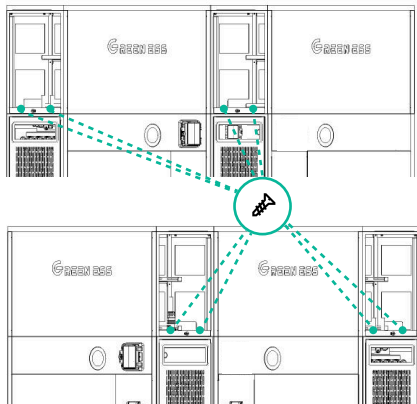
17
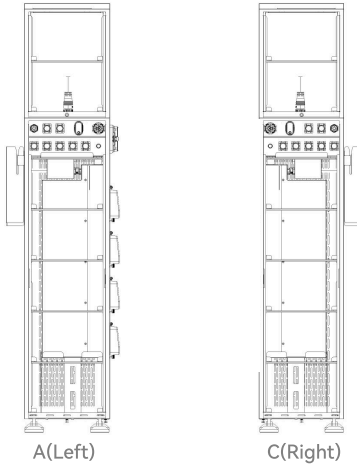

Install the PV wire

18

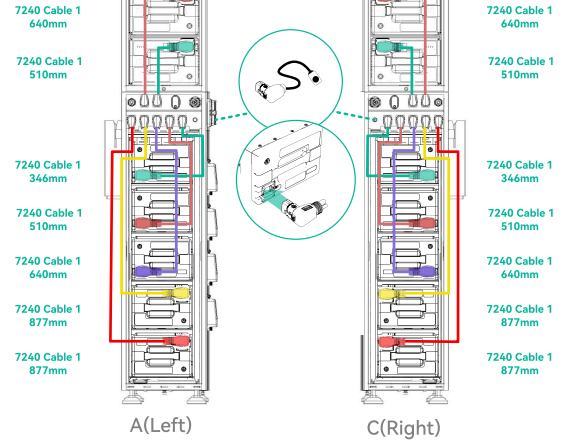Inverter grounding

19

Secure the top cabinet

20

Ground the cabinet after connection

21

A(Left)   C(Right)

Open the left-side panel of Cabinet A
and the right-side panel of Cabinet C

22
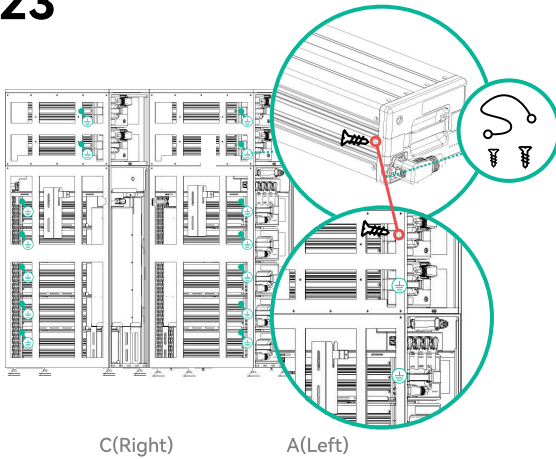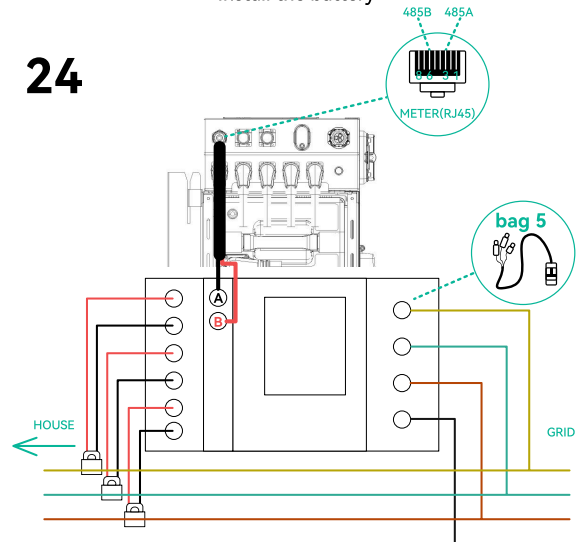
7240 Cable 1 640mm
7240 Cable 1 510mm
7240 Cable 1 346mm
7240 Cable 1 510mm
7240 Cable 1 640mm
7240 Cable 1 877mm
7240 Cable 1 877mm

7240 Cable 1 640mm
7240 Cable 1 510mm
7240 Cable 1 346mm
7240 Cable 1 510mm
7240 Cable 1 640mm
7240 Cable 1 877mm
7240 Cable 1 877mm

A(Left)   C(Right)

Install the battery

23

C(Right)   A(Left)

Ground the battery and cabinet

24

485B   485A

METER(RJ45)

bag 5

A
B

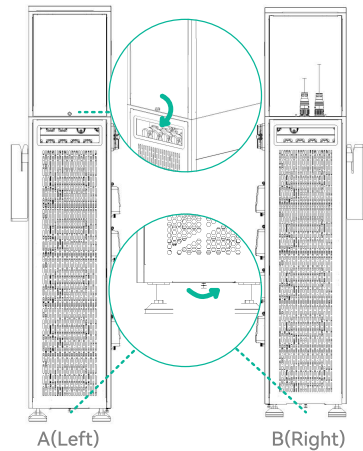HOUSE

GRID

Take out the No. 9 accessory bag. Wire the Meter & CT's
(All CT Arrows should point towards the house)

25

bag 6
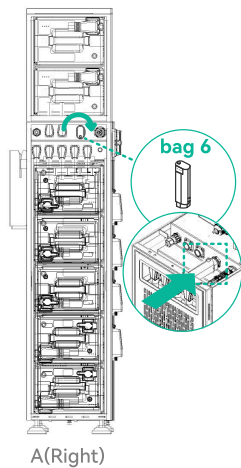
A(Right)
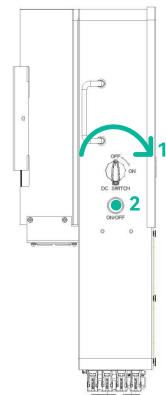
Install the WiFi stick clockwise for deviceA

26

A(Left)　　　　　B(Right)

Install the left-side door panel and the
right-side door panel

27
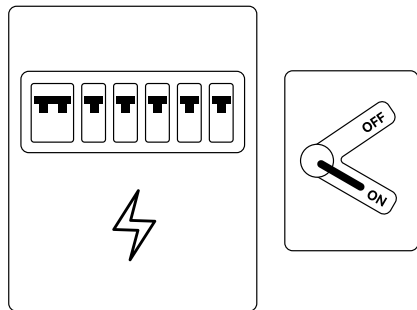
Switch on the Grid Breakers

28

OFF ON
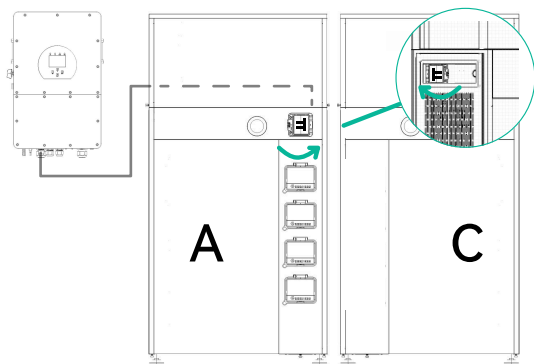DC SWITCH
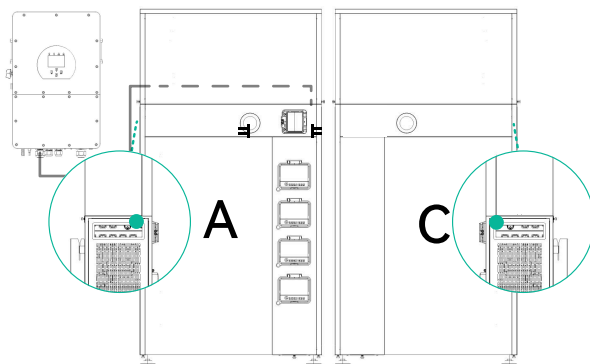ON/OFF
1
2

Turn on the inverter switch
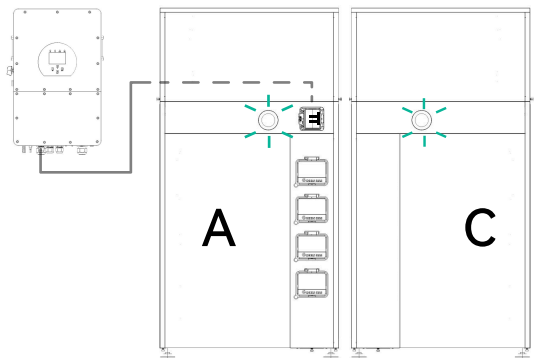
29

Turn on the main control switch

30

Press the start button

31

The A&C screen shows the SOC

Instructions   Android   iOS

Download the iGE APP to complete WiFi config

GREEN ESS™