



## RX - 5000AC

Quick Installation Guide  
All-In-One Energy Storage System

- This document is subject to change from time to time due to product upgrades or other reasons. This document is not a substitute for the user manual or safety instructions.
- Please read the user manual and related standards before undertaking any operation or commissioning. Please take time to access <http://www.redx.com.au> or scan the QR code for the latest quick installation guide.
- Prior to commencement, check whether the goods match the packing list, if there is any damage to any items or components missing, please contact the Distributor / Dealer or Redx.
- The power cables must be intact and well insulated. Please use insulating gloves and wear personal protective equipment at all times when installing this product.
- Failure to comply with any of the above requirements may result in injury to personnel or damage to equipment.

Redx shall not be liable for any loss of life or damage caused by failure to comply with the requirements of this document and user manual.

## Safety Statement

### Danger

- Shock hazard !
- Exposure to sunlight and the elements are not recommended.
- All electrical connections must meet local and national electrical standards.
- Only connect the system to the grid with local authority approval .
- Warranty will be void if the cover is removed. Improper opening of the unit may also result in serious electrical shock or injury to personnel.

### Warning

All safety labels, warning labels, and nameplates must be clear and visible and cannot be removed or overwritten.

### Warning

Hot surface!

Inverter module may become hot after extended period of operation. Allow time for inverter to cool before touching!

### Notice

The country setting and protection parameters must be set by professional personnel based on local power grid standards.  
Incorrect country settings may affect the operation failure to meet the local standard.

## Warning Label



Disconnect all external power supplies before maintainace.



Hot surfaces !



Device has high voltage on AC input and AC output. Professional and qualified technicians are required to install this unit.



Read the instructions before operation.



Wait for 5 minutes before touching the internal conductive components after system turn off and disconnected from grid.

## Packing List

### RX-5000AC Standard Accessories



RX-5000AC  
(1PCS)



Inverter Bracket  
(1PCS)



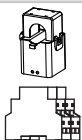
Hole Template  
(1PCS)



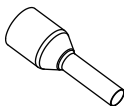
M6  
Expansion Bolt  
(10PCS)



Allen key  
(1PCS)



Smartmeter+CT  
(Optional)  
(2PCS)



Bootlace  
Ferrule-1512  
(4PCS)



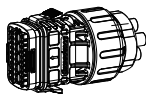
CT-Cable2  
(2PCS)



CT-Cable  
(1PCS)



Communication Cable 1  
(1PCS)



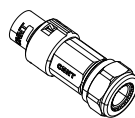
Communication  
Connector  
(1PCS)



Bootlace  
Ferrule-0510  
(26PCS)



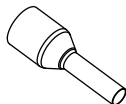
WI-FI/4G Dongle  
(Optional)  
(1PCS)



Grid Connector  
(1PCS)



EPS Load Connector  
(1PCS)



Bootlace  
Ferrule-6012  
(3PCS)



SC6-6  
(2PCS)



Document  
(4PCS)

### Cable box S



Bat Power Cable 2  
(2PCS)



Communication Cable 2  
(1PCS)



Pe Cable 2  
(1PCS)

## Cable box L



Bat Power Cable 3  
(2PCS)

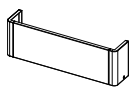


Communication Cable 3  
(1PCS)



Pe Cable 3  
(1PCS)

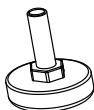
## Terminal Cover + Base + Cable A



Inverter Terminal  
Cover  
(1PCS)



Base  
(1PCS)



Base leveling Screw  
(4PCS)



M6\*14  
Countersunk Screw  
(2PCS)



Bat Power Cable 1  
(2PCS)

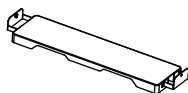


Pe Cable 1  
(1PCS)

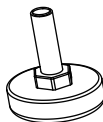
## Base + Topcover



Top Cover  
(1PCS)



Base  
(1PCS)

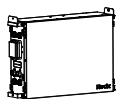


Base leveling Screw  
(4PCS)

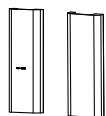


M6\*14  
Countersunk Screw  
(2PCS)

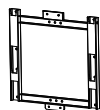
## RX-0050 Accessories



Battery Body  
(1PCS)



Battery Cover  
(2PCS)



Battery Bracket  
(1PCS)



M6\*10  
Countersunk Screw  
(2PCS)



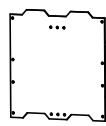
M6\*50  
Expansion Bolt  
(8PCS)



M4\*8  
Countersunk Screw  
(2pcs)



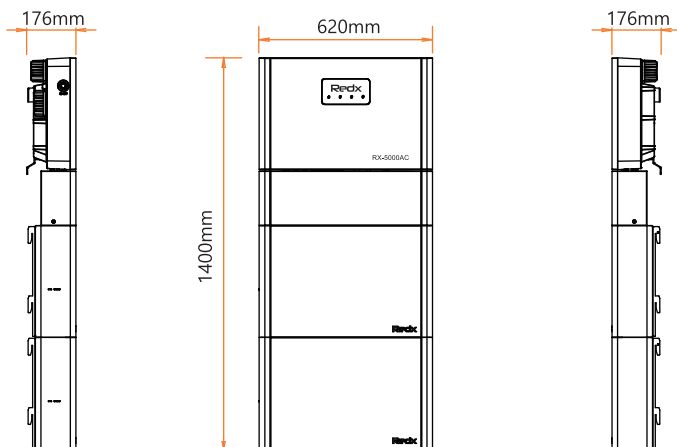
Document  
(4PCS)



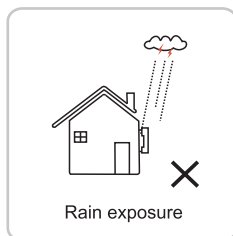
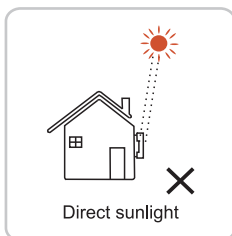
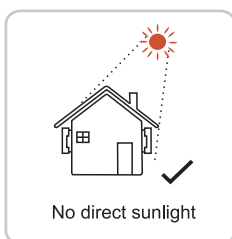
Bat Hole Template  
(1PCS)



## Dimension



## Installation Location



## Pre - Operation Inspection

	Checking Items	Result	
		YES	NO
①	The installation location meets the requirement.	<input type="checkbox"/>	<input type="checkbox"/>
②	The system has been securely installed.	<input type="checkbox"/>	<input type="checkbox"/>
③	Sufficient space for heat dissipation. No objects are left on the system.	<input type="checkbox"/>	<input type="checkbox"/>
④	System wiring is normal and firm.	<input type="checkbox"/>	<input type="checkbox"/>
⑤	Cables are properly installed and well protected without any damage.	<input type="checkbox"/>	<input type="checkbox"/>
⑥	All terminals have been sealed.	<input type="checkbox"/>	<input type="checkbox"/>
⑦	Warning labels are not covered without alteration or occlusion.	<input type="checkbox"/>	<input type="checkbox"/>

## Operation

### Following the steps to start the system.

Step① : Connect 240V Grid to inverter

Step② : Turn on the inverter power button

Step③ : Turn on the battery isolation circuit breakers

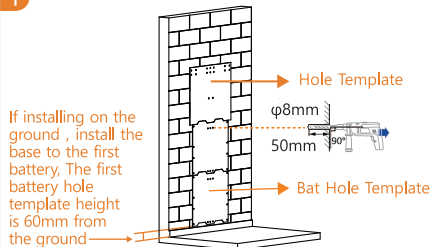
Step④ : Open the Redx Power Redx App, login to your installer account

Step⑤ : Complete all installation steps in the App instructions

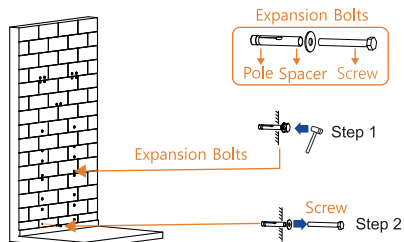
## Installation

Avoid water and electricity when drilling, bit size  $\varnothing 8\text{mm}$ , drilling depth 40mm.

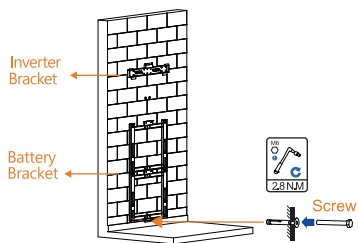
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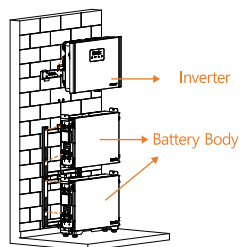
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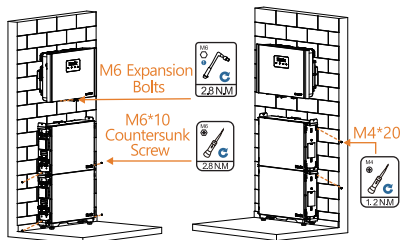
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4



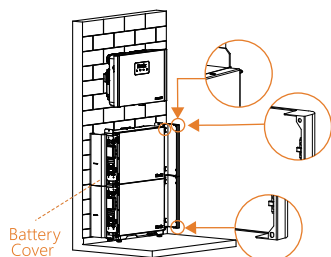
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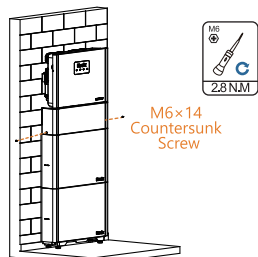
6

Refer to the electrical connection section for wiring

7

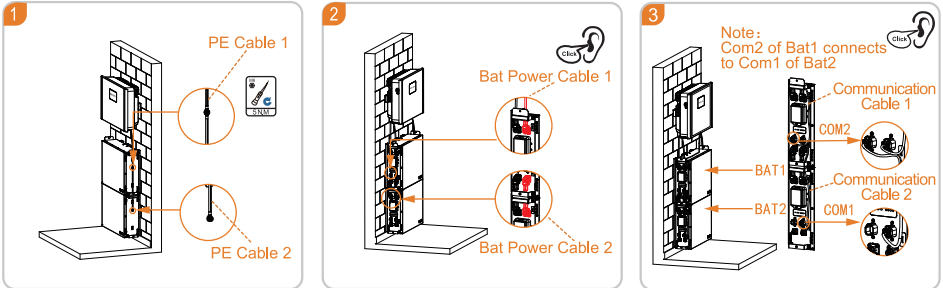


8

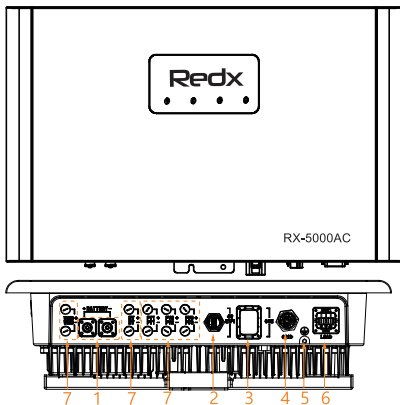


## Battery Connection

**Note:** Any exposed cable between battery and inverter must be covered with UV rated conduit

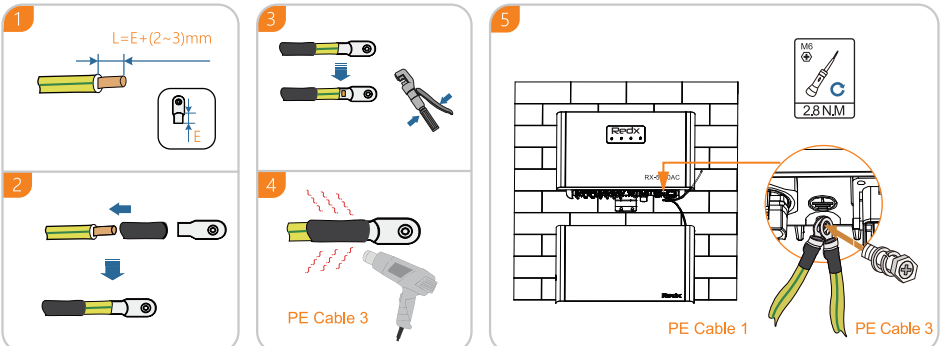


## Port Instruction



Items	Name
1	BAT
2	WIFI / 4G
3	Communication Connector
4	Grid Connector
5	Protective Grounding
6	EPS Load Connector
7	Plug

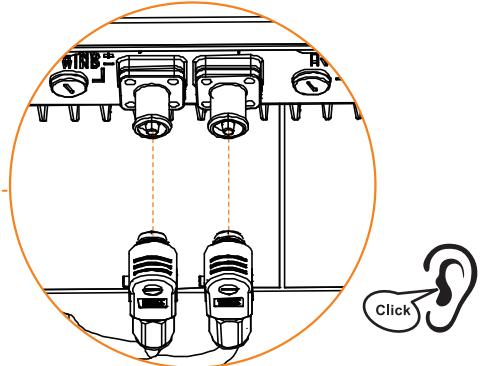
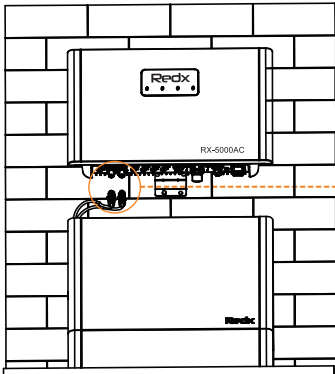
## PE Wiring



## Battery Power Cable Wiring

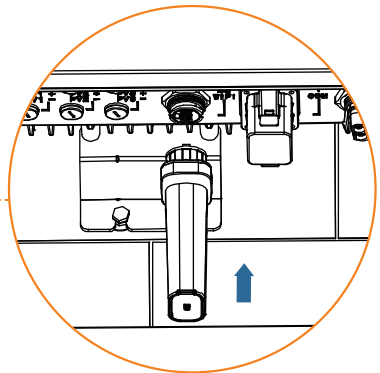
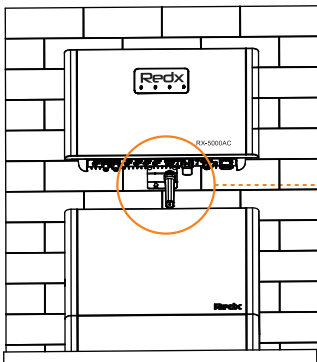


Note: you will hear a “Click” sound if the battery connector is connected correctly.  
When removing a battery cable, press the button on the cable terminal.



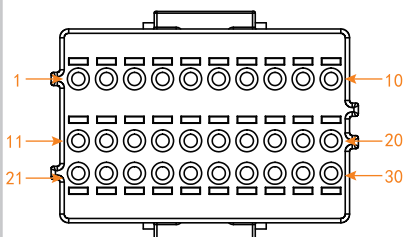
Bat Power Cable 1

## WiFi/4G Dongle

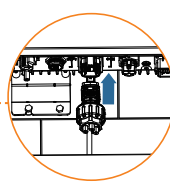
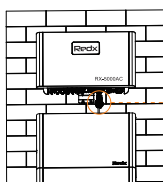
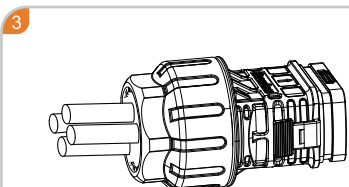
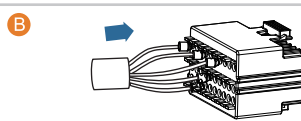
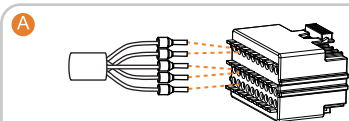
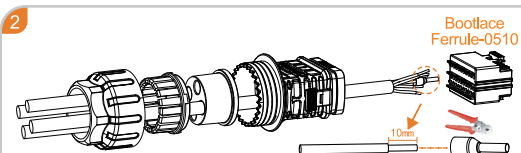
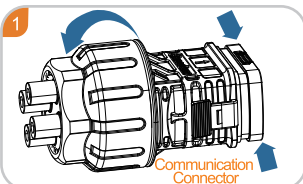


Tighten connector on the thread once Dongle is in.

## Communication Connection

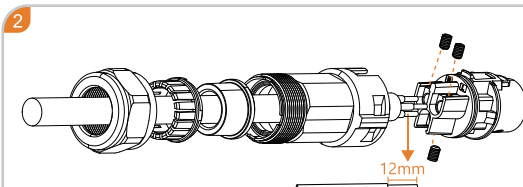
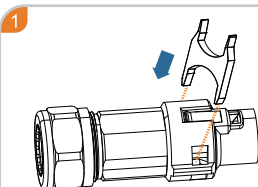


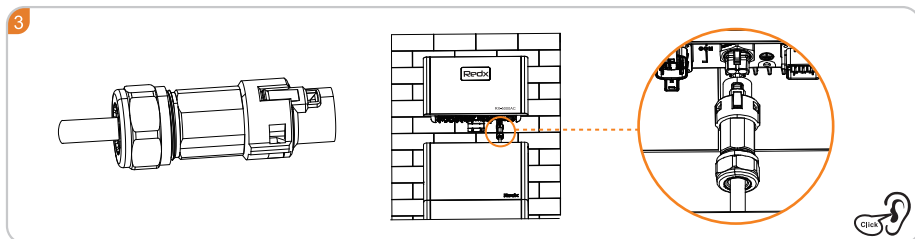
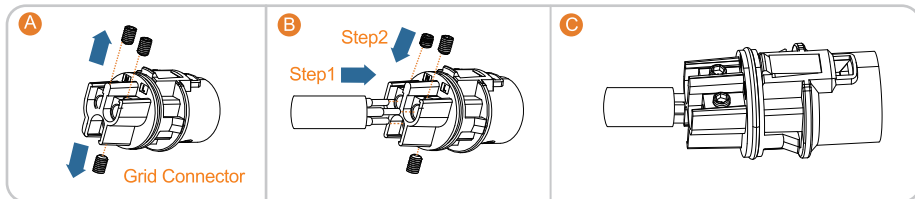
Pin	Group	Definition	Pin	Group	Pin
1	A1	Dry common	16	B8	DRM0-
2	A2	Dry normally open	17	B7	DRM0+
3	A3	Dry normally close	18	B6	GND
4	A4	GEN Start 1	19	B5	Meter 485C-
5	A5	GEN Start 2	20	B4	Meter 485C+
6	A6	Reserved	21	D1	Negative Input For Switch
7	/	/	22	D2	Positive Input For Switch
8	B1	485D+	23	D3	Reserved
9	B2	485D-	24	D4	Reserved
10	B3	GND	25	D5	Parallel 485E-
11	C1	BMS_CANL	26	D6	Parallel 485E+
12	C2	BMS_CANH	27	D7	Parallel GND
13	C3	GND	28	D8	Reserved
14	C4	485A+	29	D9	Parallel input
15	C5	485A-	30	D10	Parallel output



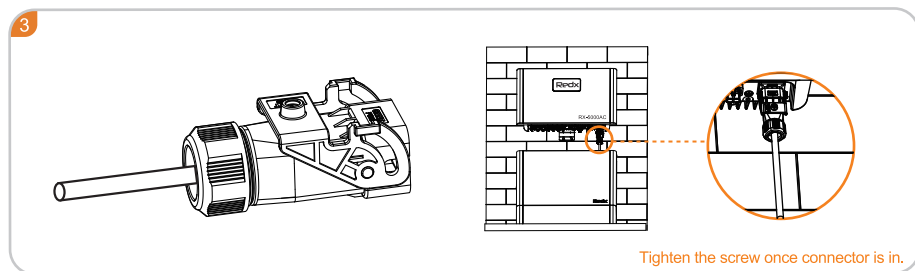
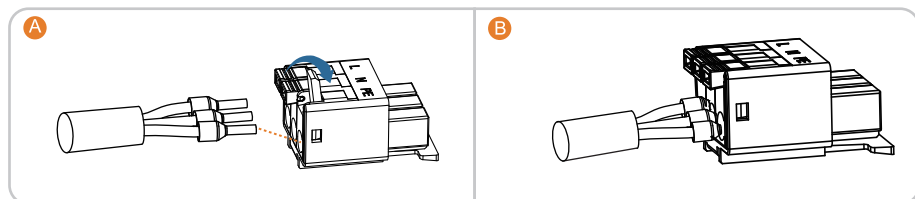
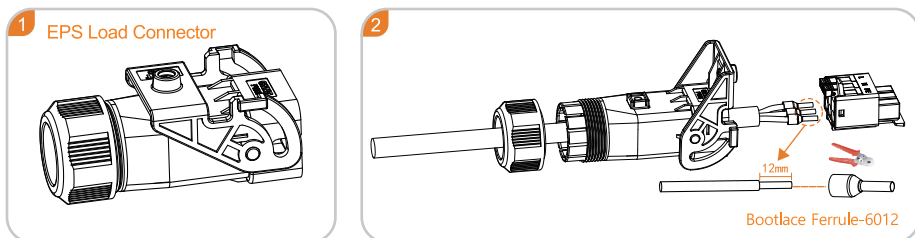
Please establish a connection by linking the COM cable originating from the communication port of the inverter with the COM1 port located on the battery.

## Grid Connection

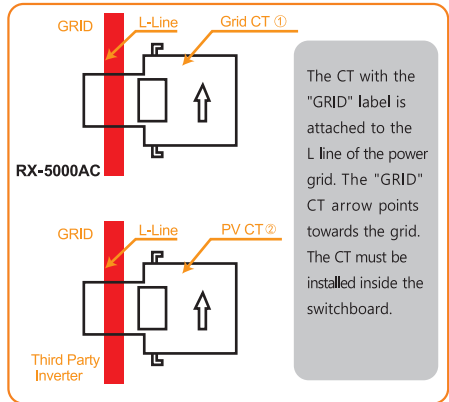
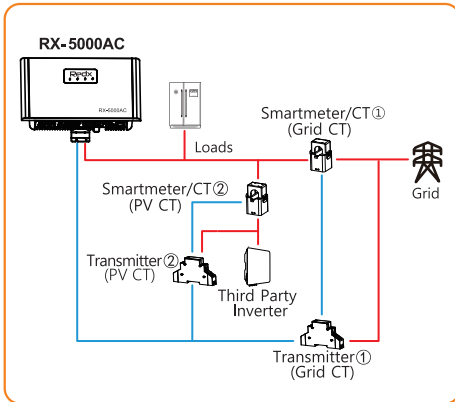




## EPS Load Connection



## CT / Meter Installation



## LED Indicator

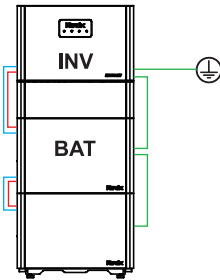
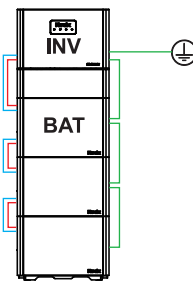
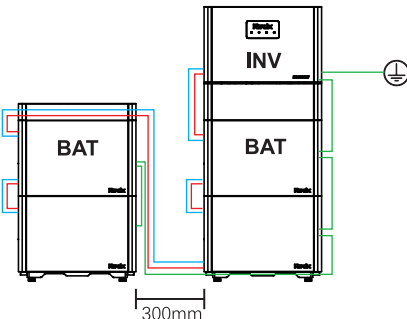
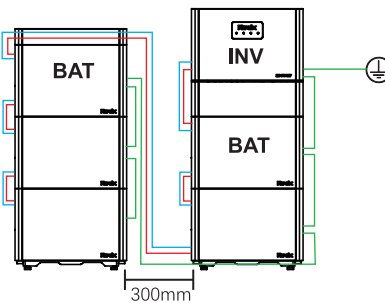
	System	None	Turn off
		Green flash	Self test
		Green solid	Normal
		Yellow solid	System warning
		Red solid	System fault
	PV	None	No PV
		Green solid	Normal
	Battery	None	No battery
		Green flash	Charging
		Green solid	Discharging
		Yellow solid	Battery warning
		Red solid	Battery fault
	Grid	None	Grid disconnected
		Green Solid	Normal
		Yellow Solid	Grid warning
		Red	Grid fault

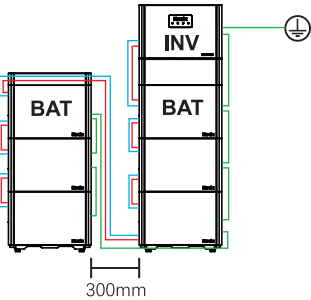
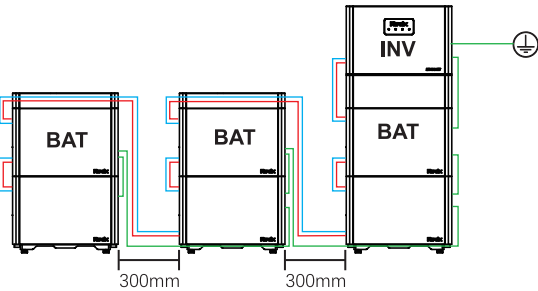
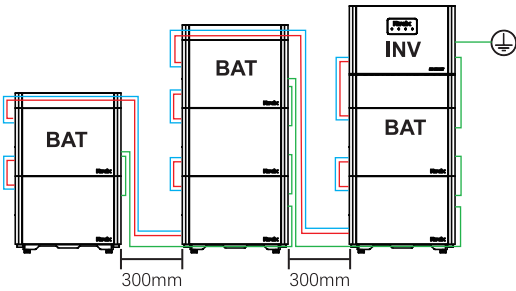
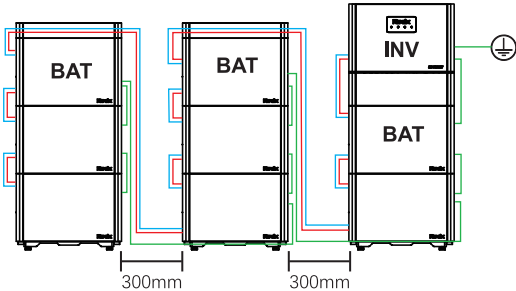
### Notice

- If the startup fails, refer to "Troubleshooting" in the user manual.
- For details about LED indicators, refer to the user manual.



## Description Of Energy Storage Capacity

Power	Installation Method	List
10kWh ( 5010AC )		Inverter*1 Terminal Cover+ Base+Cable A*1 Battery*2 Cable box S*1
15kWh ( 5015AC )		Inverter*1 Terminal Cover+ Base+Cable A*1 Battery*3 Cable box S*2
20kWh ( 5020AC )		Inverter*1 Terminal Cover+ Base+Cable A*1 Battery*4 Cable box S*2 Cable box L*1 Base+ Topcover*1
25kWh ( 5025AC )		Inverter*1 Terminal Cover+ Base+Cable A*1 Battery*5 Cable box S*3 Cable box L*1 Base+ Topcover*1

<p><b>30kWh ( 5030AC )</b></p>		<p>Inverter*1 Terminal Cover+ Base+Cable A*1 Battery*6 Cable box S*4 Cable box L*1 Base+ Topcover*1</p>
<p><b>30kWh ( 5030AC )</b></p>		<p>Inverter*1 Terminal Cover+ Base+Cable A*1 Battery*6 Cable box S*3 Cable box L*2 Base+ Topcover*2</p>
<p><b>35kWh ( 5035AC )</b></p>		<p>Inverter*1 Terminal Cover+ Base+Cable A*1 Battery*7 Cable box S*4 Cable box L*2 Base+ Topcover*2</p>
<p><b>40kWh ( 5040AC )</b></p>		<p>Inverter*1 Terminal Cover+ Base+Cable A*1 Battery*8 Cable box S*5 Cable box L*2 Base+ Topcover*2</p>





Redx App Download



Redx.com.au Downloads



Redx Power App Installer Manual



5000AC User Manual  
5000AC Quick Installation Guide  
5000AC Warranty Card



Redx Power App User Manual



RX-0050 User Manual



The size and parameters of the product are subject to change without notice.  
Rev 2023.09.21

尺寸：145\*205mm

材质/克重/工艺：16P 封面封底200g铜版纸，内页128g铜版纸 正反印 骑马钉  
封面过哑膜