



### Quick Installation Guide

### RX - 7000HY

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 maintainance.	Hot surfaces !
Device has high voltage on DC and 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-7000HY Standard Accessories

RX-7000HY (1PCS)	Inverter Bracket (1PCS)	Hole Template (1PCS)	M6 Expansion Bolt (10PCS)	PV Terminal Male/female(Blue) (2PCS)
PV Terminal Male/female(Black) (8PCS)	PV Tools (1PCS)	Wi-Fi/4G Dongle (Optional) (1PCS)	Communication Connector (1PCS)	Bootlace Ferrule-0510 (30PCS)
Grid Connector (1PCS)	EPS Load Connector (1PCS)	Bootlace Ferrule-6012 (3PCS)	SC6-6 (2PCS)	M6*10 (2PCS)
Smartmeter+CT (Optional) (1PCS)	Document (4PCS)	Inverter Terminal Cover (1PCS)	Bat Power Cable 1 (2PCS)	Bat Power Cable 2 (2PCS)
Pe Cable1 (1PCS)	Pe Cable2 (1PCS)	Communication Cable1 (1PCS)	Communication Cable2 (1PCS)	RX-0050 (2PCS)

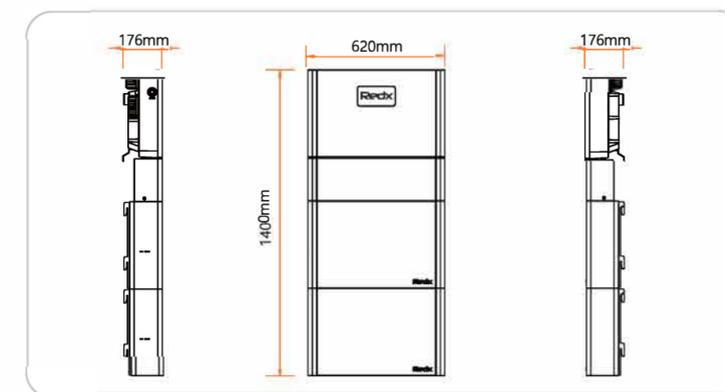
##### RX-7000HY Option

M6*10 Countersunk Screw (2PCS)	Base leveling screw (4PCS)	Base (1PCS)
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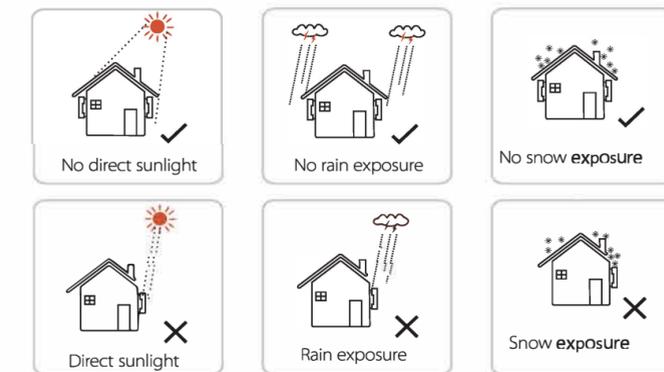
##### RX-0050 Accessories

Battery Body (1PCS)	Battery Cover (2PCS)	Battery Bracket (1PCS)	M6*10 Countersunk Screw (2PCS)	M6*50 Expansion Bolt (8PCS)
M6*10 (1PCS)	M4*20 (1PCS)	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 in 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

Follow the below steps to start the system.

Step① : Connect 240V grid to inverter (if Grid available)

Step② : Connect PV to MPPT ports (and wind to wind ports).

Step③ : Turn on the battery isolation circuit breakers.

Step④ : Turn on the inverter power button.

Step⑤ : Open the Redx Power App. complete all installation steps in the App



Redx App Download



Redx.com.au Downloads



Redx Power App Installer Manual



7000HY User Manual  
7000HY Quick Installation Guide  
7000HY Warranty Card



Redx Power App User Manual



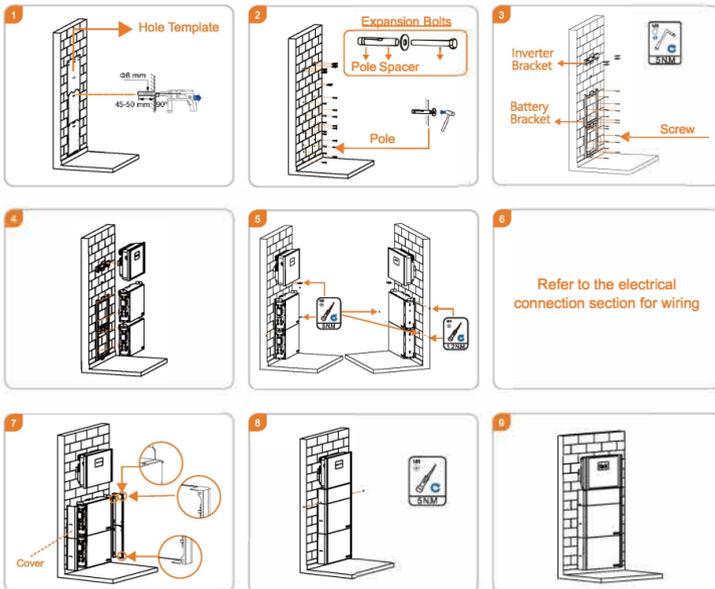
RX-0050 User Manual



The size and parameters of the product are subject to change without notice.  
Rev 2023.04.13

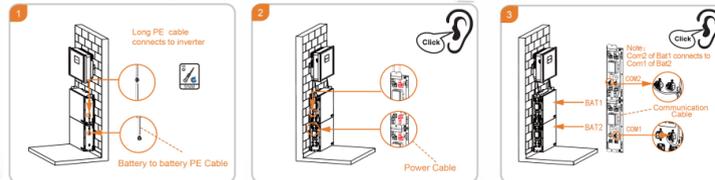
## Installation

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

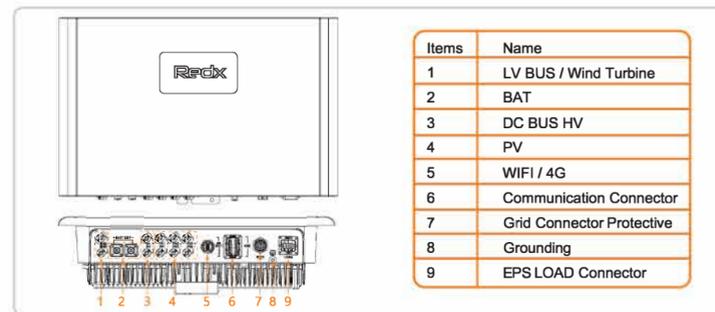


## Battery Connection

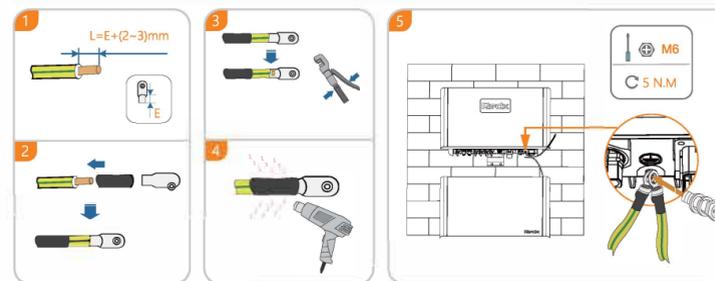
Note: Any exposed cable between battery and inverter must be covered with UV rated conduit



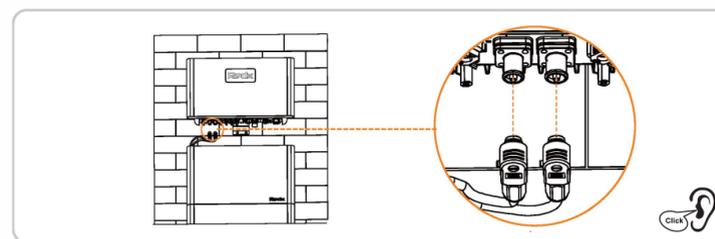
## Port Instruction



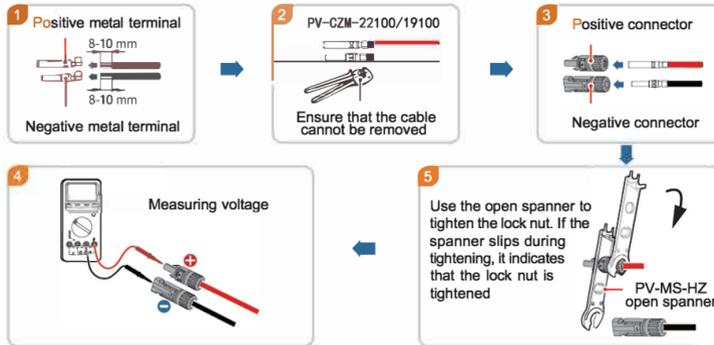
## PE Wiring



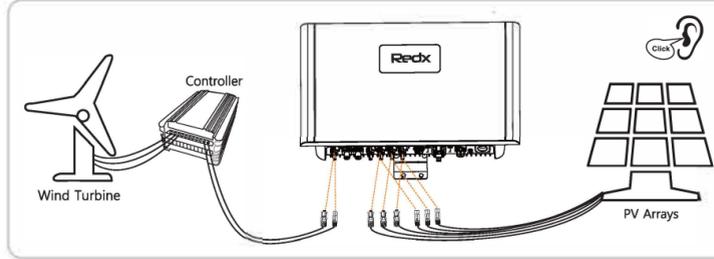
## Battery Power Cable Wiring



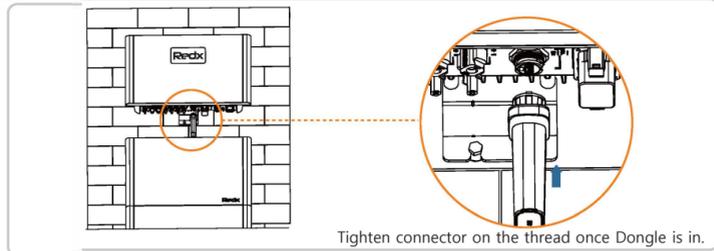
## DC BUS LV ( wind ) , DC BUS HV , PV



The Wind Turbine and PV Arrays can be installed according to the needs of customers. Wind turbine charge controller output must be 56V DC (2kW max). Each PV MPPT 120V-530V (550V, 15A, 3kW max).

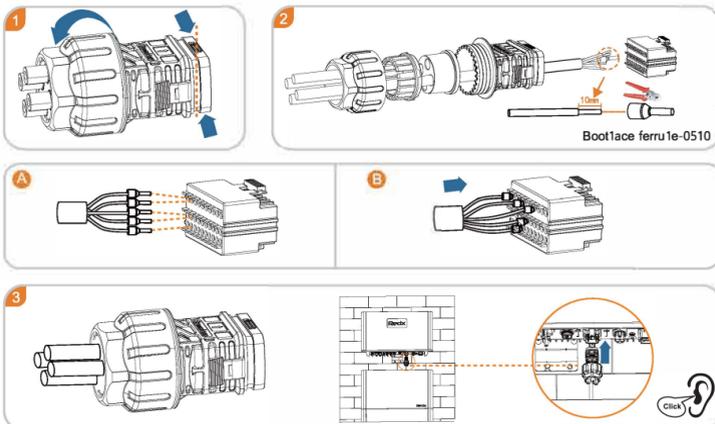


## WiFi/4G Dongle



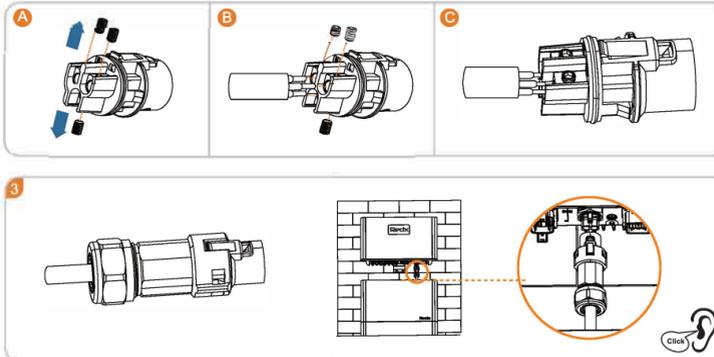
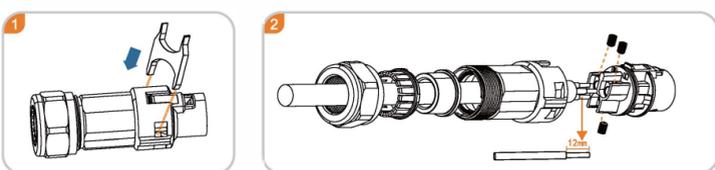
## Communication Connection

Pin Group	Definition	Pin Group	Pin
1	A1 Dry contact 1 Public	16	B8 DRMO-
2	A2 Dry contact 1 open	17	B7 DRMO+
3	A3 Dry contact 1 close	18	B6 GND
4	A4 Dry contact 2 public	19	B5 485C-
5	A5 Dry contact 2 open	20	B4 485C+
6	A6 Dry contact 2 close	21	D1 Negative Input For Switch
7	/	22	D2 Positive Input For Switch
8	B1 485D+	23	D3 CT+
9	B2 485D-	24	D4 CT-
10	B3 GND	25	D5 Reserved
11	C1 BMS_CAML	26	D6 Reserved
12	C2 BMS_CANH	27	D7 Reserved
13	C3 GND	28	D8 Reserved
14	C4 BMS_485A+	29	D9 Reserved
15	C5 BMS_485A-	30	D10 Reserved

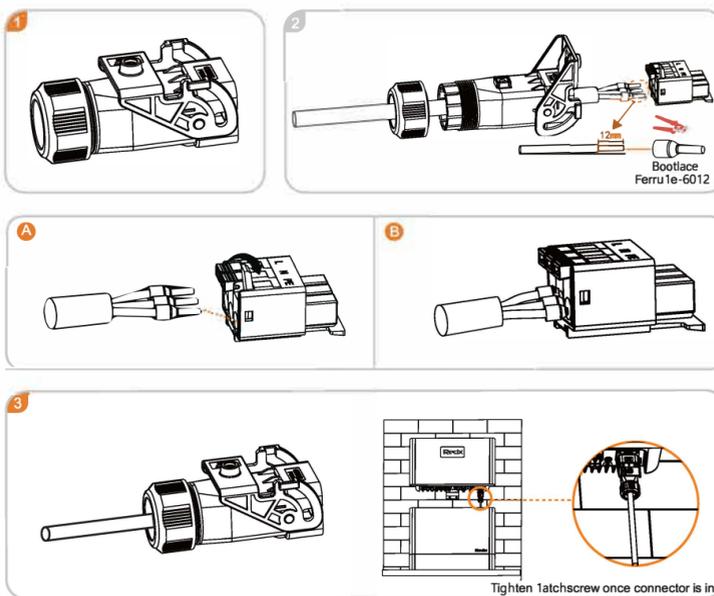


Note: Cable COM1 connected to inverter communications plug connects to COM1 port of Bat1.

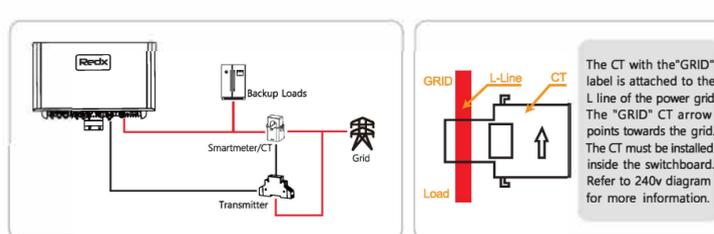
## Grid Connection



## EPS Load Connection



## CT / Meter Installation



## LED Indicator

Indicator	System indicator	Green flash	Startup conditions are not met
System indicator	Green	Green	Normal
	Yellow	Yellow	System warning
	Red	Red	System fault
PV indicator	Not lit	Not lit	No PV
	Green	Green	Normal
	Yellow	Yellow	PV undervoltage
Battery indicator	Red	Red	PV fault
	Not lit	Not lit	No battery
	Green flash	Green flash	Charging
Battery indicator	Green Solid	Green Solid	Discharging
	Yellow	Yellow	Battery warning
	Red	Red	Battery fault
Grid indicator	Not lit	Not lit	Grid disconnected
	Green Flash	Green Flash	Power imported from grid
	Green Solid	Green Solid	Power exported to grid
Grid indicator	Yellow	Yellow	Grid warning
	Red	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.