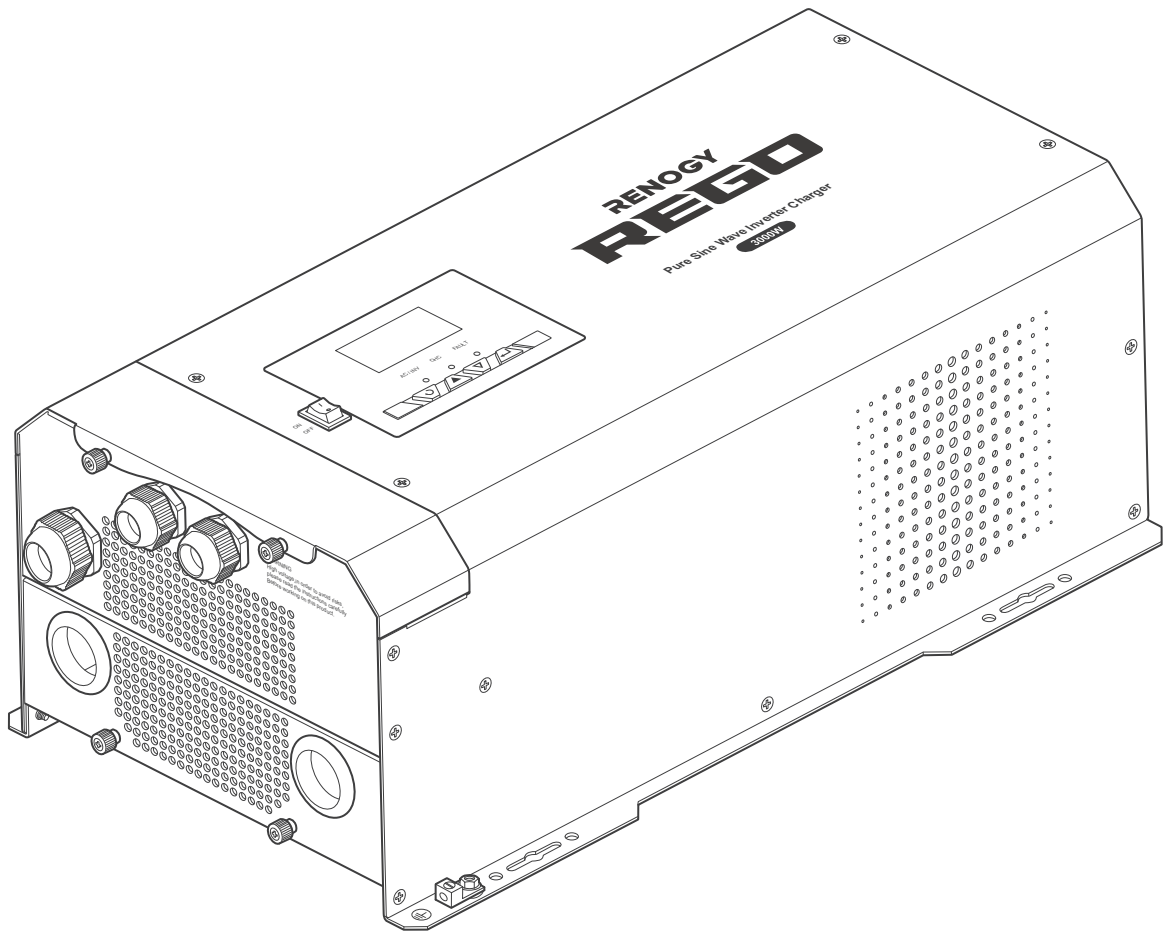


REGO

Inverter Charger

12V | 3000W

VERSION A0



QUICK GUIDE



This Quick Guide contains important installation, operation, and maintenance instructions for REGO 12V 3000W Inverter Charger, hereinafter referred to as “Inverter Charger”. Please read the Quick Guide carefully before using the device.

For additional support, contact our customer service through renogy.com/contact-us/.



- 本手册所有图片仅供参考, 请以实物为准。

For detailed instructions,
scan the QR code for the User Manual.

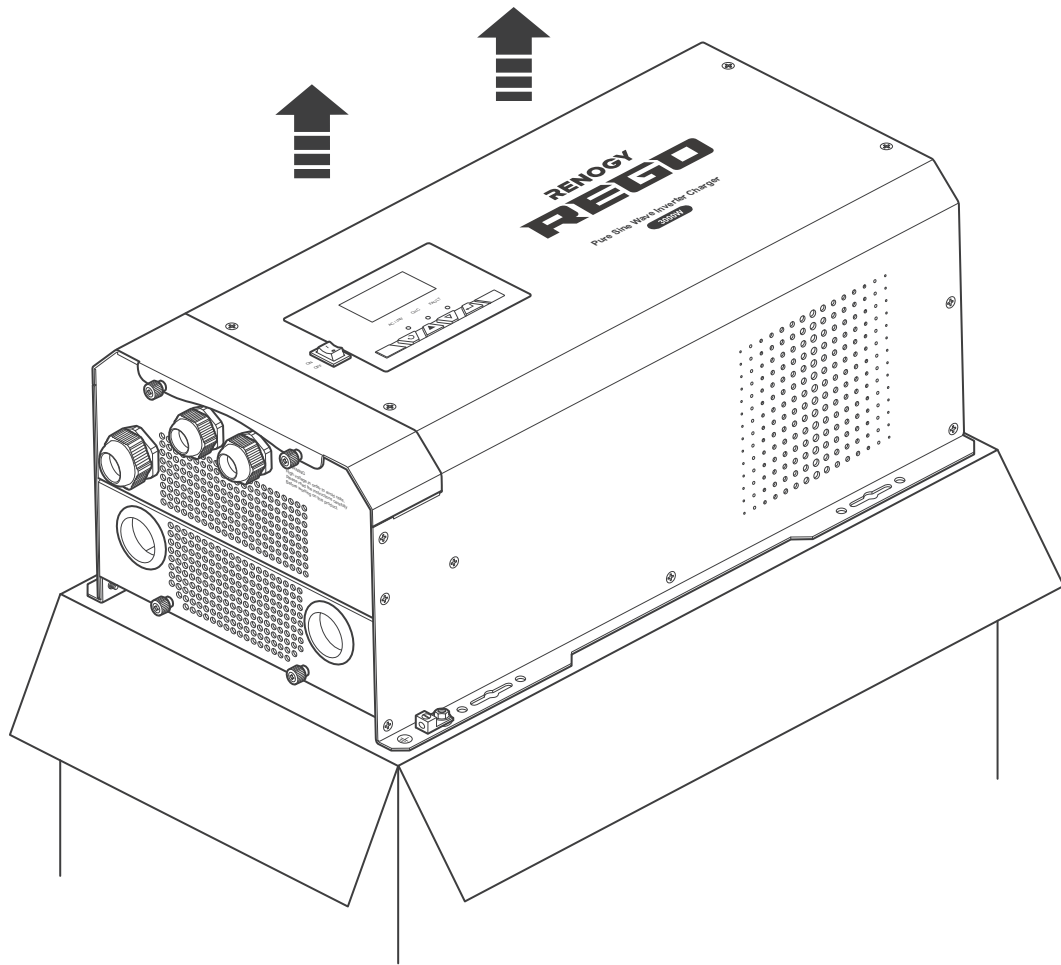


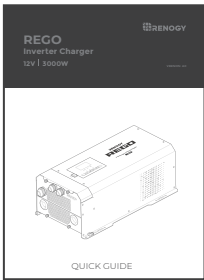
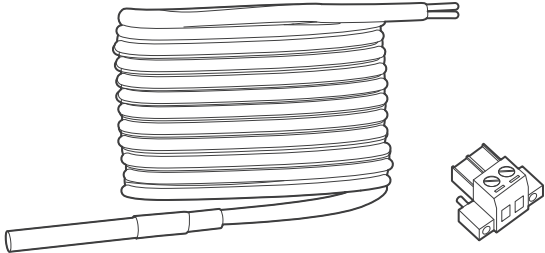
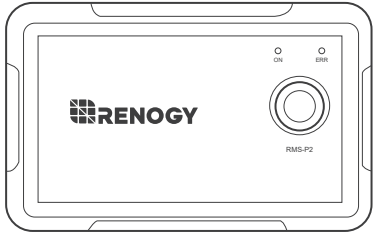
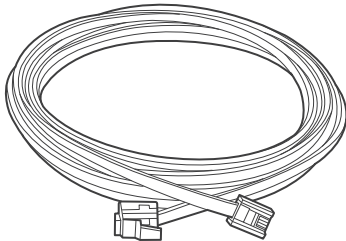
Table of Contents

目录排版时自动生成, 请忽略此页。



Package Contents



Quick Guide × 1	Battery Temperature Sensor x 1
	
Wired Remote Control x 1	RJ11 网线 (5m) x 1
	

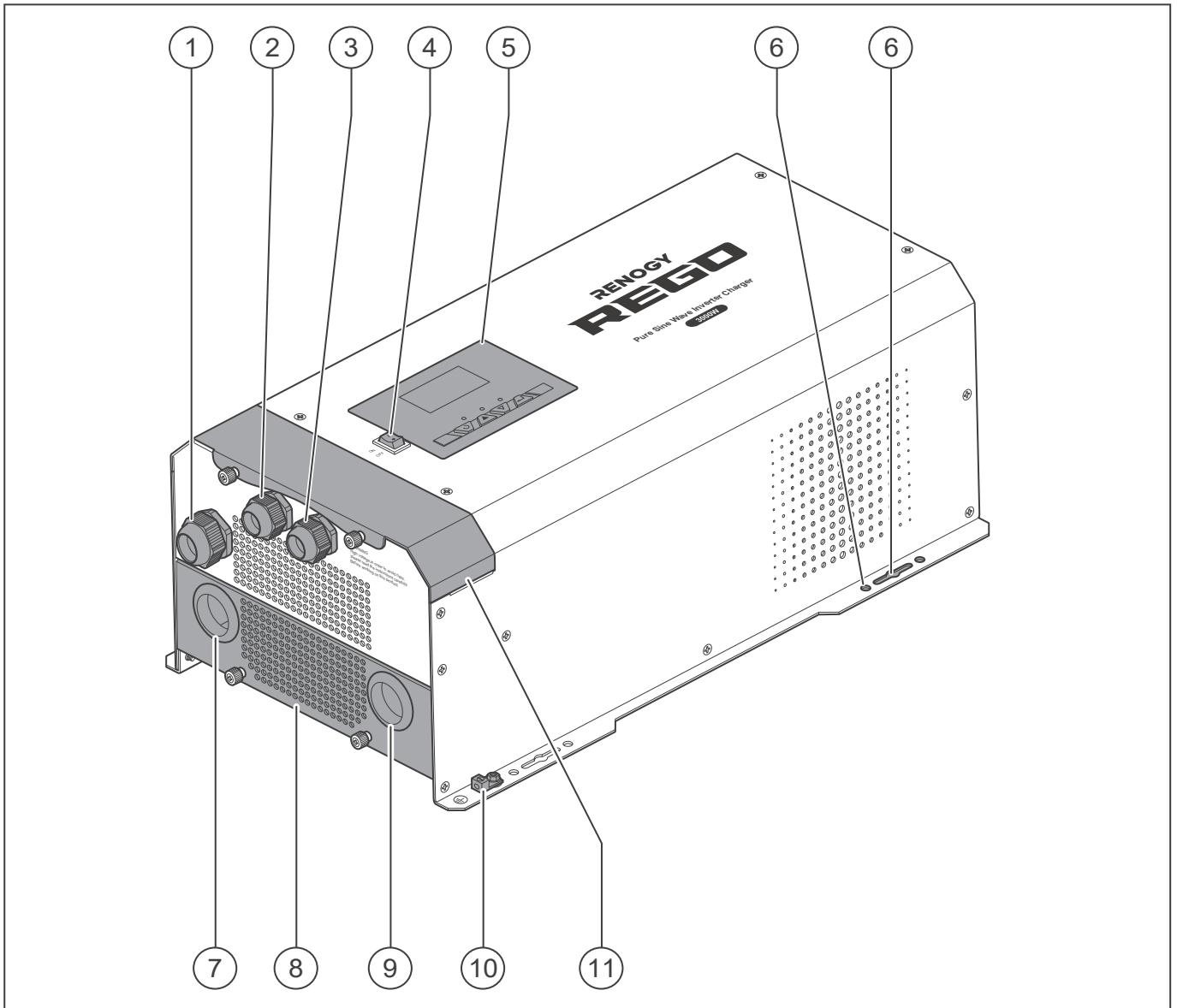


Product Overview

External View

Internal View

External View



NO.	Part	NO.	Part
1	Remote & Accessory Cable Entry	7	DC Negative Battery Cable Entry
2	AC Load Output Cable Grommet	8	Removable DC Cable Plate
3	AC Input Cable Grommet	9	DC Positive Battery Cable Entry
4	Main Power Switch	10	Chassis Ground
5	LCD & Button Interface	11	Removable Top Plate
6	Mounting Holes		

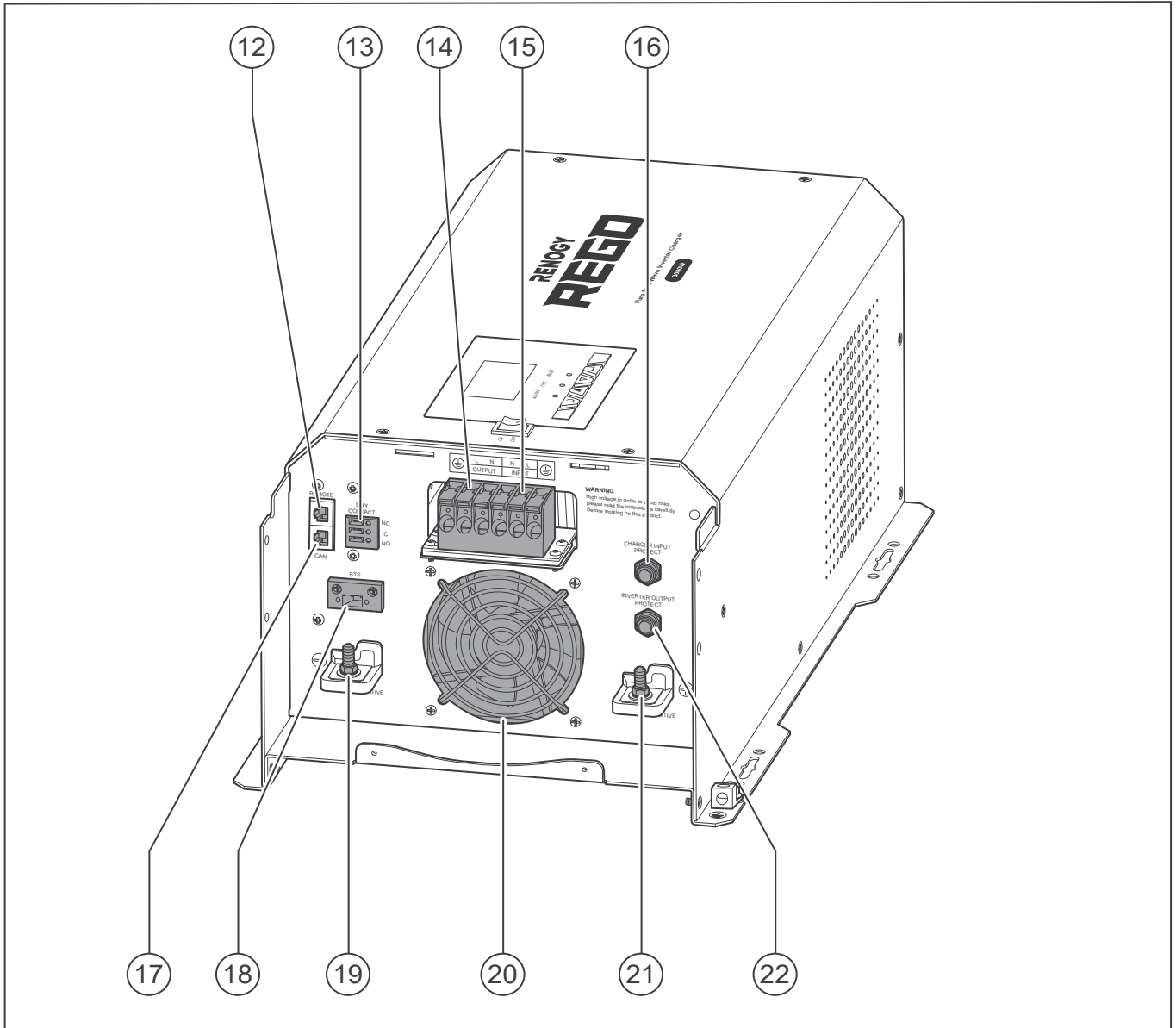


Product Overview

External View

Internal View

Internal View



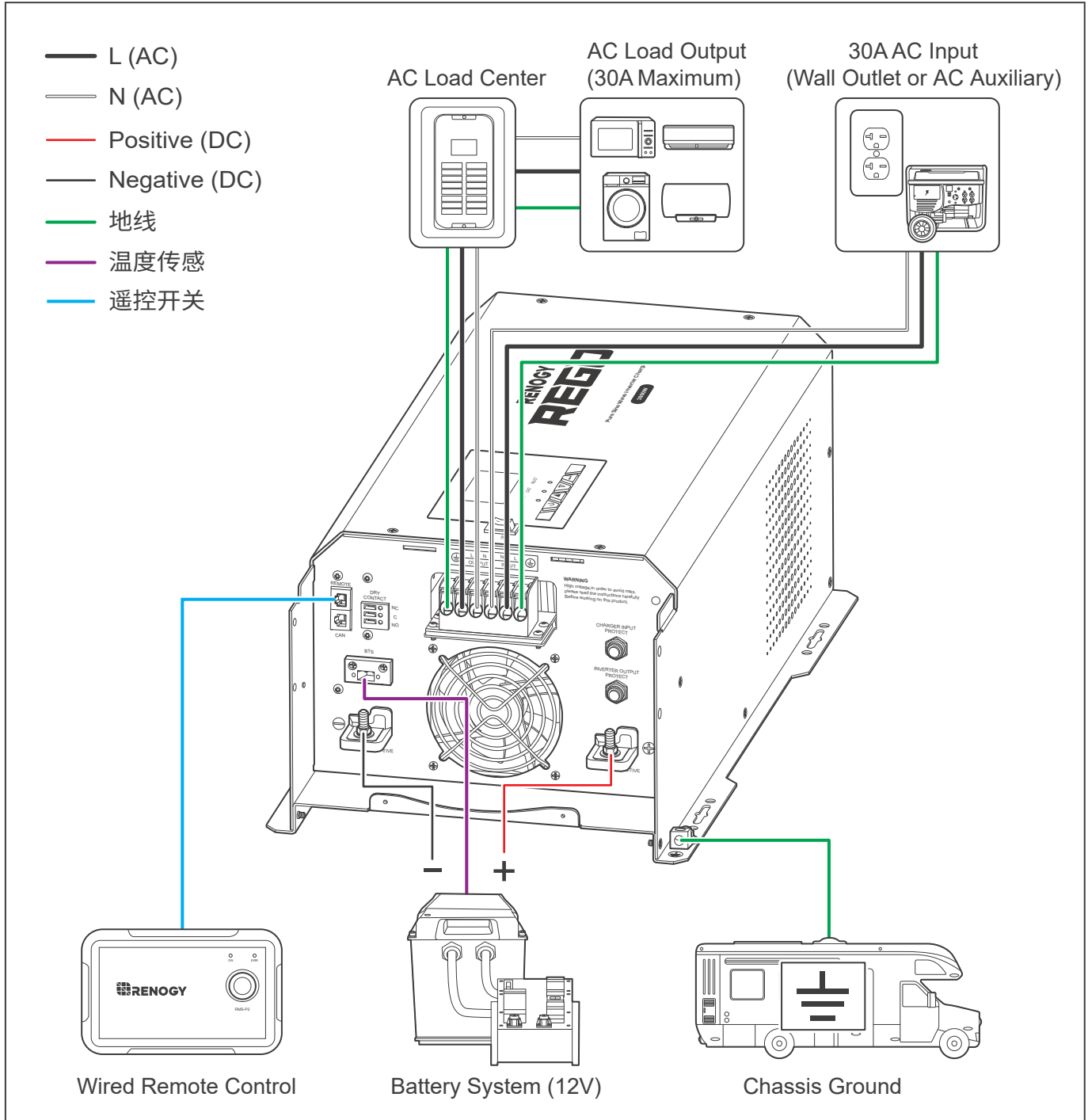
NO.	Part	NO.	Part
12	Wired Remote Port (REMOTE)	18	Dry Contact Relay Terminal Block
13	Dry Contact Relay Terminal Block	19	DC Negative Battery Terminal
14	AC Output Load Lever Terminal Block	20	Fan
15	AC Input Lever Terminal Block	21	DC Positive Battery Terminal
16	30A Input Circuit Breaker	22	30A Output Circuit Breaker
17	Communication Port (CAN Bus)		



- 请检查可见的损坏, 包括裂纹、凹痕、变形和其他可见的异常, 所有连接器触点应清洁、无污垢和腐蚀, 且干燥。
- 逆变器内部没有需要维护或维修的部件, 请勿修理、篡改或修改逆变器的部件。



Wiring Diagram



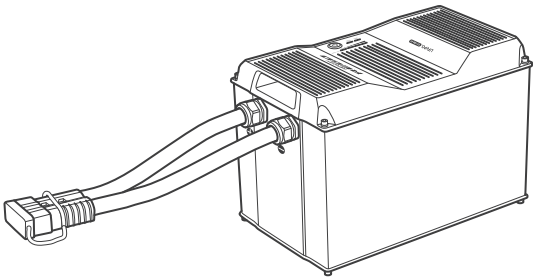
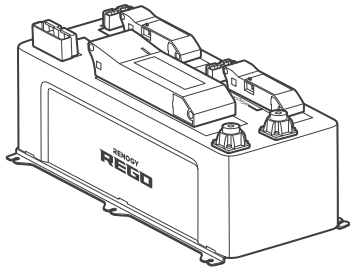
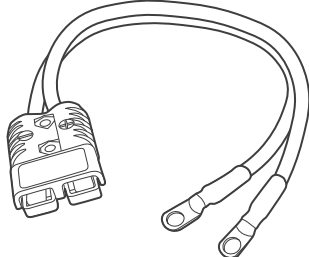
- All wiring should be done by qualified personnel to ensure compliance with all applicable installation code and regulations.
- 安装时穿戴适当的防护装备并使用绝缘工具。
- 触电危险! 安装时确保所有电源处于断电状态。
- Do not connect the AC Load Output to an AC Power Source such as generator or shore power. Severe damage may occur.
- Do not use the temperature sensor on a LiFePO4 (LFP) battery which comes with a battery management system (BMS).



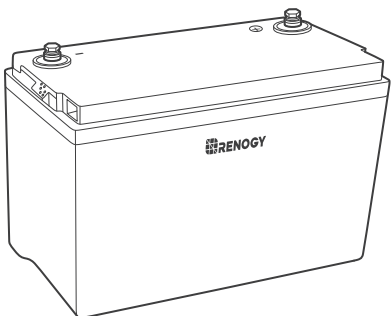
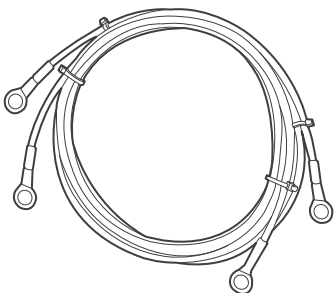
Components & Tools

Recommended Components

Battery Scenario A: REGO Battery Kit

REGO 12V 400Ah Lithium Iron Phosphate Battery	REGO 4 Ports 400A System Combiner Box
	
电池转接线 4/0 (Anderson 350 Connector to Ring Terminal Adapter Cable)	
	

Battery Scenario B: Normal Battery Kit

Normal Battery with +/- Bolts	电池转接线 4/0 (圆环端子转接线)
	

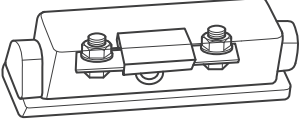
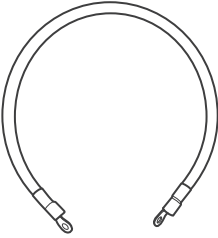


准备

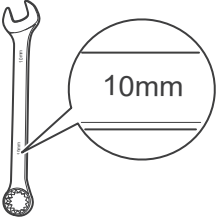
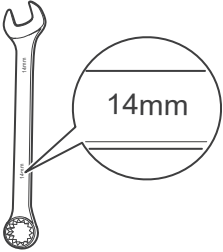
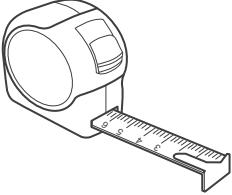
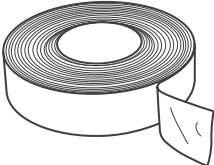


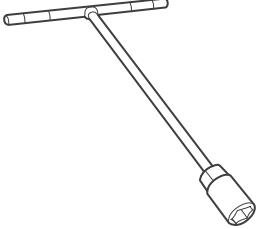
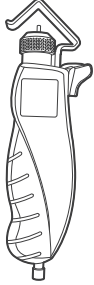
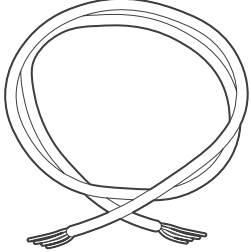
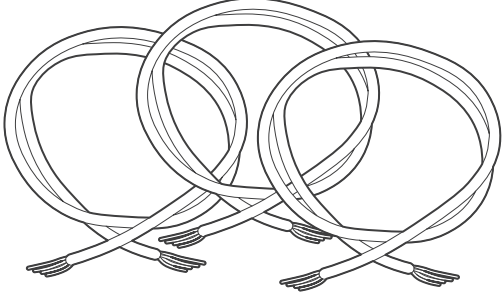
Components & Tools

安装位置 拆卸护板

Optional Accessories

Battery Fuse (400A)	Fuse Cable (4/0)
	

Required Tools

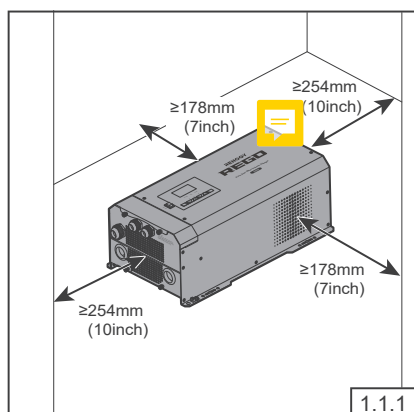
Wrench (10mm)	Wrench (14mm)	Measuring Tape	Insulation Tape
			
十字螺丝刀(6mm)	一字螺丝刀(6mm)	套筒扳手(12mm)	Wire stripper
			
裸线			
接地(8-6AWG)	AC Output		
			



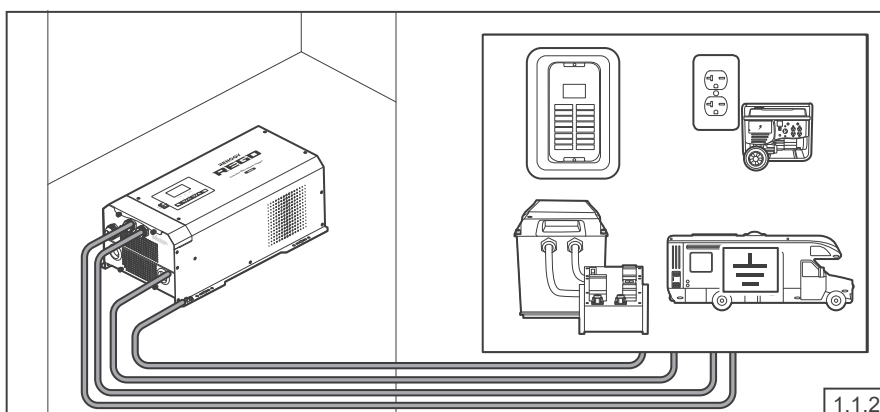
安装位置



- 切勿将逆变器安装在装有富液式电池的密封空间里。气体可能积聚，会有爆炸的危险。
- Close to the battery as possible, not in same compartment, Avoid any excessive cables length AND avoid installing in the same compartment as the battery or any compatible capable of storing flammable liquids like gasoline.
- 逆变器应安装在平面上，防止阳光直射、高温和水。并且确保良好的通风。
- Do NOT install the unit near flammable fumes or gases.
- 确认是否有足够的空间安装线缆. Allow at least 10 inches of clearance at the fan and at least 7 inches around each side. The more clearances for ventilation the better. Do not obstruct the fan openings.
- 逆变器可垂直（接线端朝下）固定在墙上，也可水平固定在地面上。
- 若转接线长度不足，可使用延长线或重新选取逆变器的固定位置。



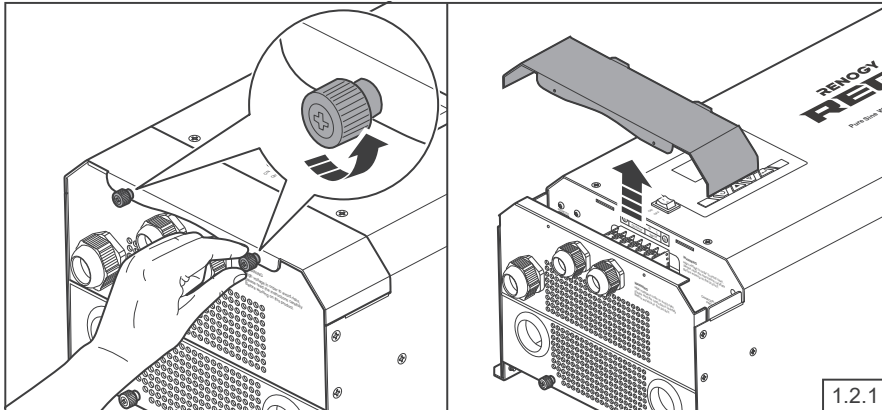
确认逆变器安装位置。



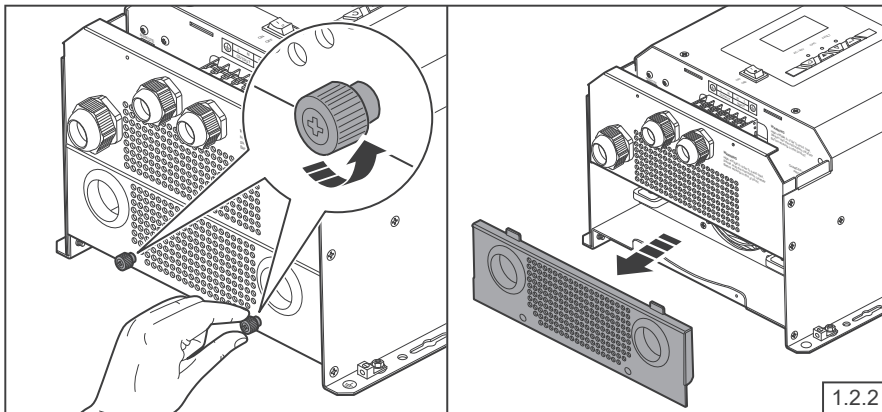
测量转接线长度能否连接到逆变器。



拆卸护板



用手逆时针旋转上方2个面板螺钉并拆下Removable Top Plate。若用手无法拆卸，可使用十字螺丝刀。



用手逆时针旋转下方2个面板螺钉并拆下Removable DC Cable Plate。若用手无法拆卸，可使用十字螺丝刀。



Installation

逆变器接线

设备接线

安装护板

固定



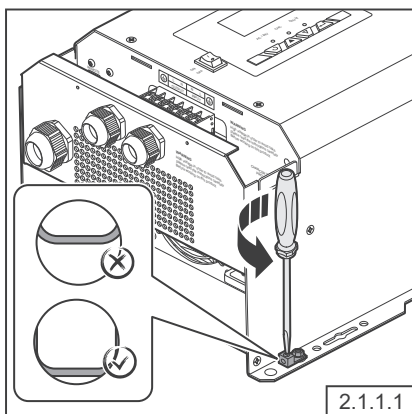
- 连接前确保逆变器主电源开关处于关闭（OFF）位置。
- 连接前确保所有转接线未连接至任何设备，若已连接，确保所有电源设备处于断电状态。
- 连接前确认线缆的极性，反接将会导致逆变器损坏并无法维修。由极性连接引起的损坏不在保修范围内。
- 安装过程中确保所有端子连接紧固。
- Color code and label all AC Cables coming to/from the Inverter/Charger. Use colored electrical tape or heat shrink tubing.
- Make sure all cables have a smooth bend radius and no kinks are present.

逆变器接线

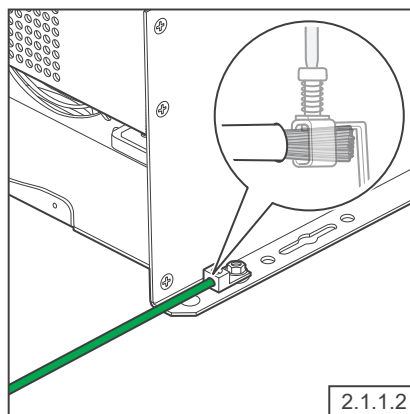
接地线



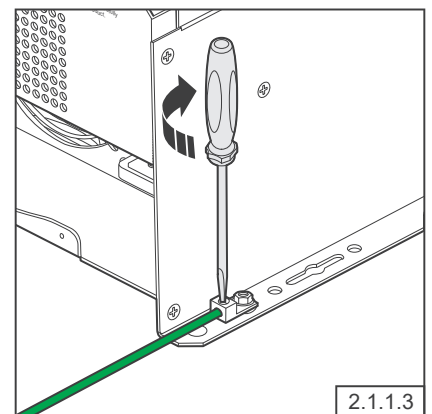
- 线缆需根据接线孔深度使用Wire stripper剥除部分绝缘层。
- 紧固线缆固定器螺丝时**禁止用力过大**，否则会导致螺纹滑牙或螺丝拧弯锁死。



使用一字螺丝刀逆时针旋转 Chassis Ground 线缆固定器螺丝，确保线缆固定器处于打开状态。



将裸线任意一端插入 Chassis Ground 接线孔内。



使用一字螺丝刀顺时针旋转 Chassis Ground 线缆固定器螺丝紧固。



Installation

逆变器接线

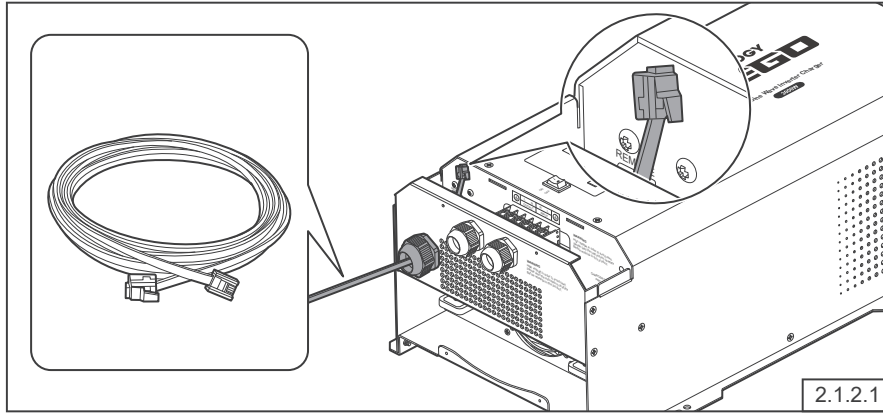
设备接线

安装护板

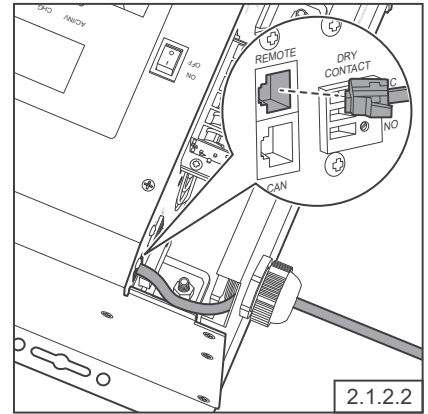
固定

Wired Remote Control接线 (若需要)

Wired Remote Control可根据使用需求选择性安装，若逆变器安装位置不方便日常操作，建议使用Wired Remote Control。



将附带的RJ11网线任意一端穿过Remote & Accessory Cable Entry.

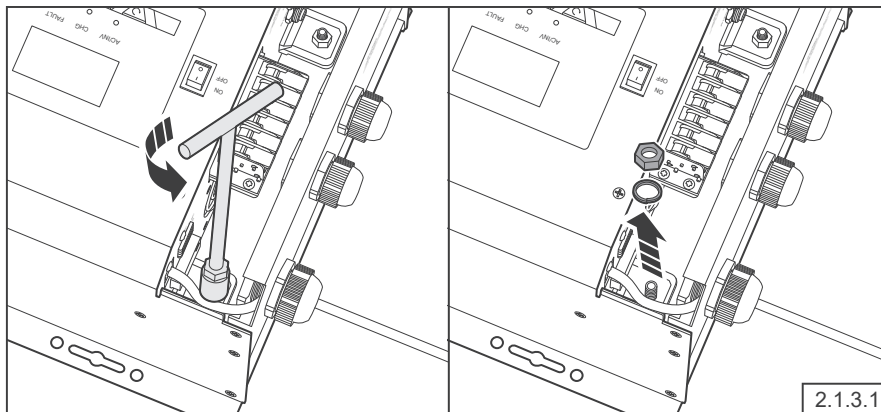


连接器连接至Wired Remote Port (REMOTE).

电池转接线



- 逆变器DC Positive/Negative Battery Terminal规格为M8，请选择合适的圆环端子。



使用套筒扳手逆时针旋转拆下DC Negative Battery Terminal固定螺母并取下垫片。



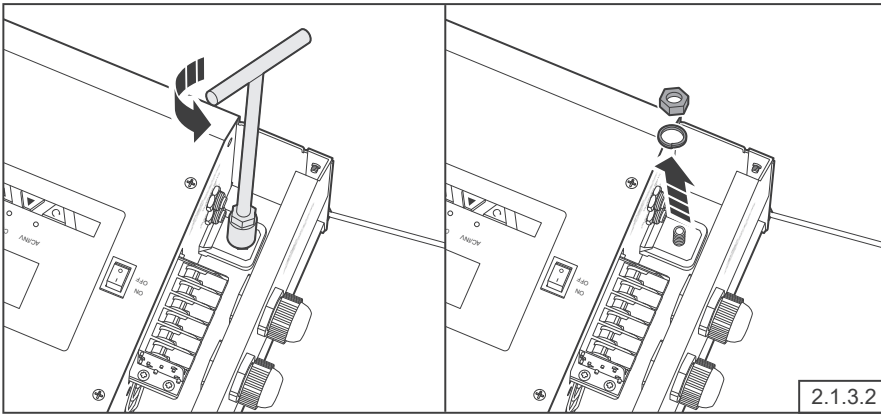
Installation

逆变器接线

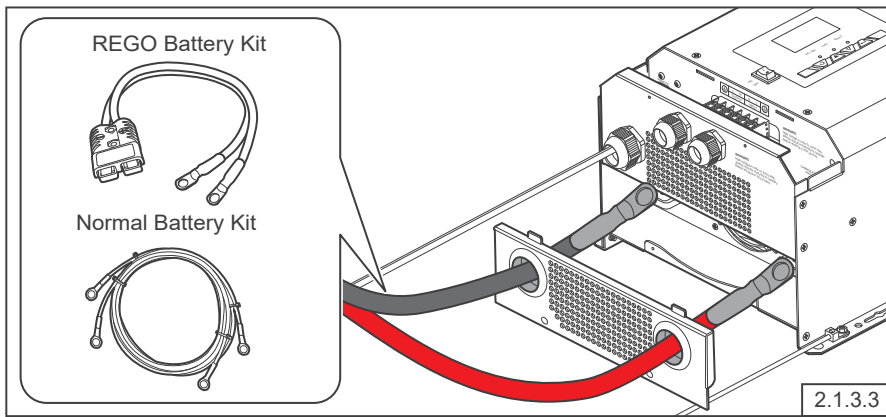
设备接线

安装护板

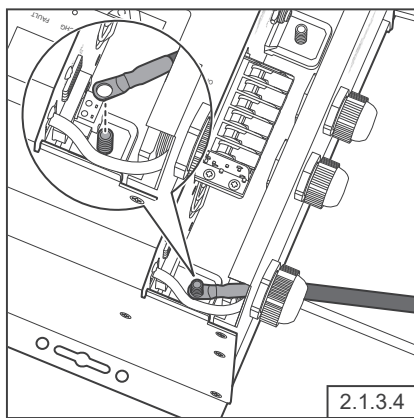
固定



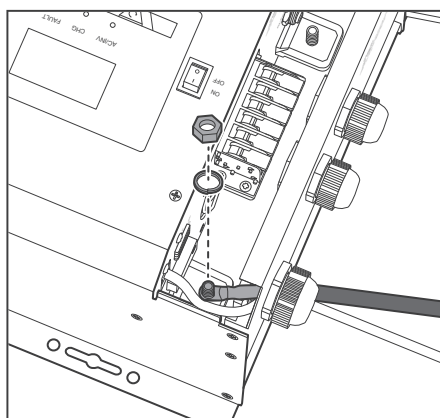
使用套筒扳手逆时针旋转拆下 DC Positive Battery Terminal 固定螺母并取下垫片。



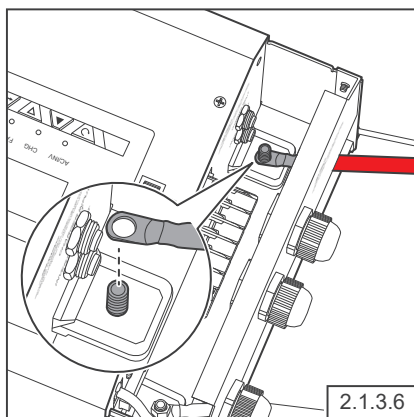
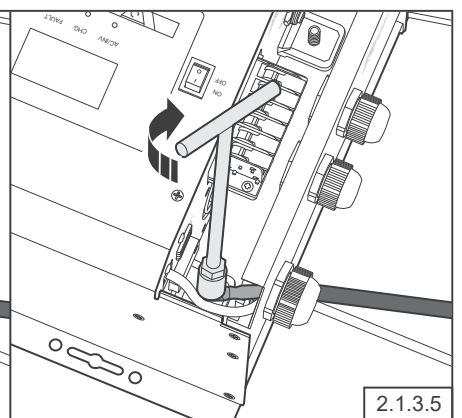
将电池转接线正极圆环端子穿过 Removable DC Cable Plate 的 DC Positive Battery Cable Entry, 负极圆环端子穿过 Removable DC Cable Plate 的 DC Negative Battery Cable Entry.



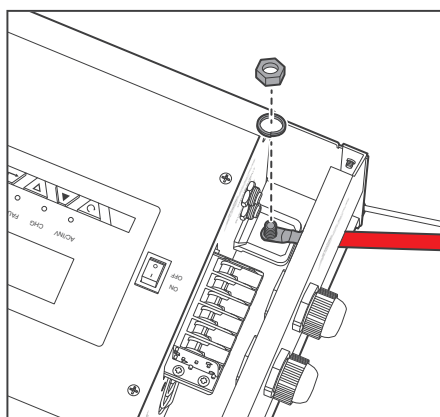
将负极圆环端子连接至 DC Negative Battery Terminal。



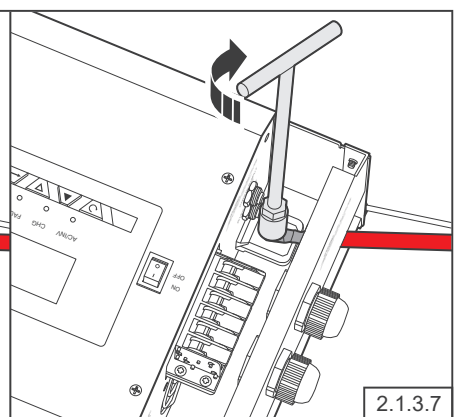
安装垫片和固定螺母, 使用套筒扳手顺时针紧固。



将正极圆环端子连接至 DC Positive Battery Cable Entry。



安装垫片和固定螺母, 使用套筒扳手顺时针紧固。





Installation

逆变器接线

设备接线

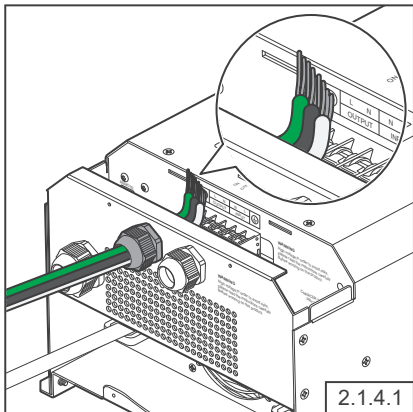
安装护板

固定

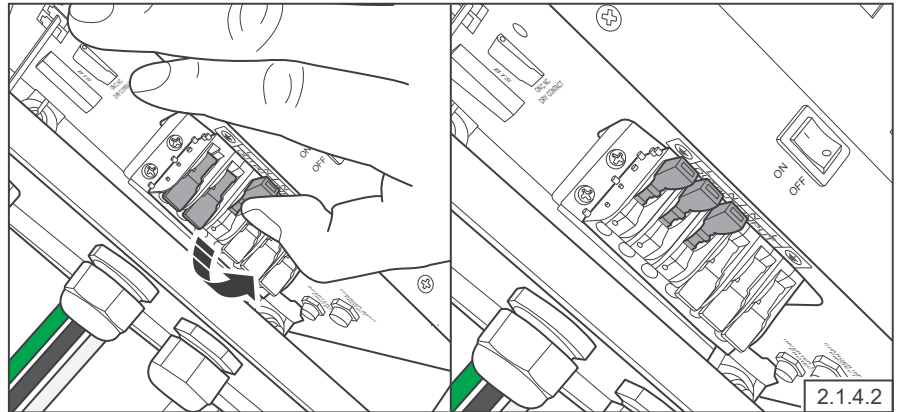
AC Output接线



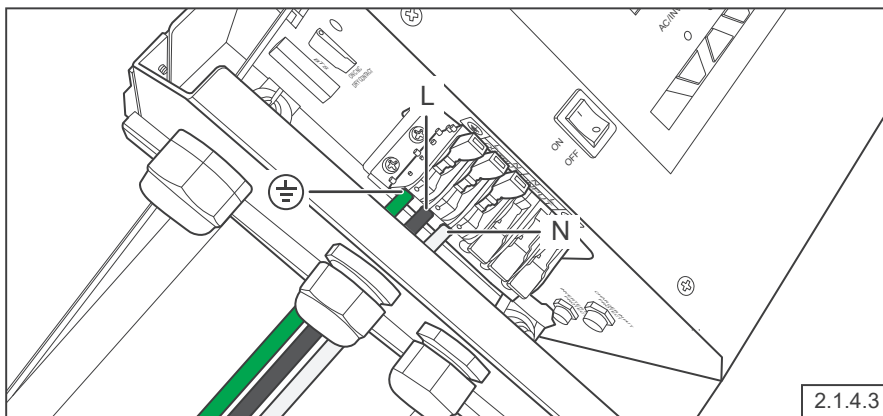
- 请根据使用情况选择符合规格的线缆，相关信息请访问 Renogy 官网查看完整版用户手册。
- 裸线端需根据接线孔深度使用Wire stripper剥除部分绝缘层。



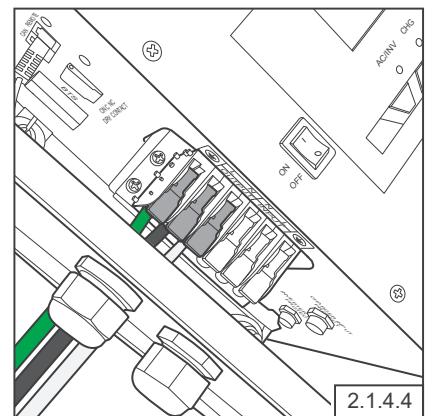
将3根裸线任意一端穿过AC Load Output Cable Grommet.



向上用力打开AC Output Load Lever Terminal Block线束固定开关。



将火线连接至 (L)接线孔，零线连接至 (N)接线孔，地线连接至 (⊕)接线孔。



向下关闭AC Output Load Lever Terminal Block线束固定开关。

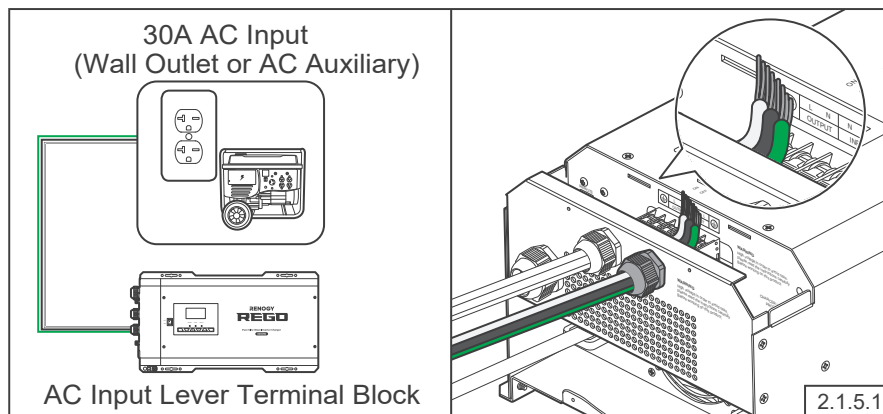


AC Input接线(若需要)

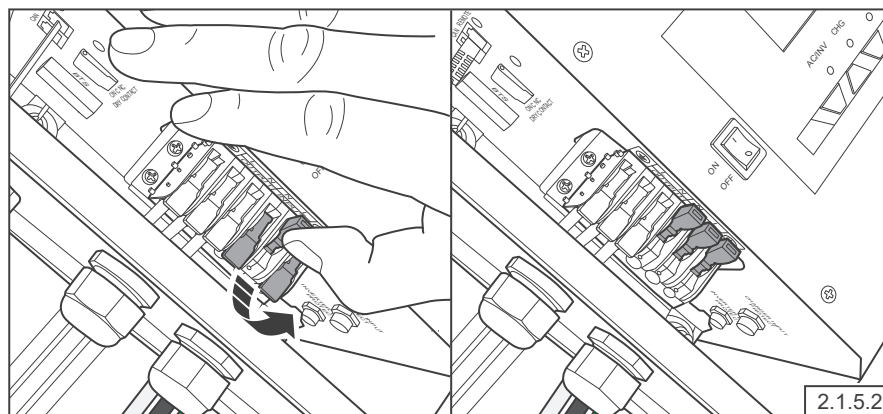
AC Input可根据使用需求选择性安装。



- 连接前确保线缆另一端未连接至AC电源，若已连接请关闭AC电源。
- 请确保AC电源电流 $\leq 30A$ ，否则逆变器无法工作。
- 请勿将AC电源接入除AC Input Lever Terminal Block以外其它接线孔，否则将会导致逆变器损坏。
- 线缆规格至少10AWG。
- 线缆需根据接线孔深度使用Wire stripper剥除部分绝缘层。



将AC电源线缆穿过AC Input Cable Grommet.



向上用力打开AC Input Lever Terminal Block线束固定开关。



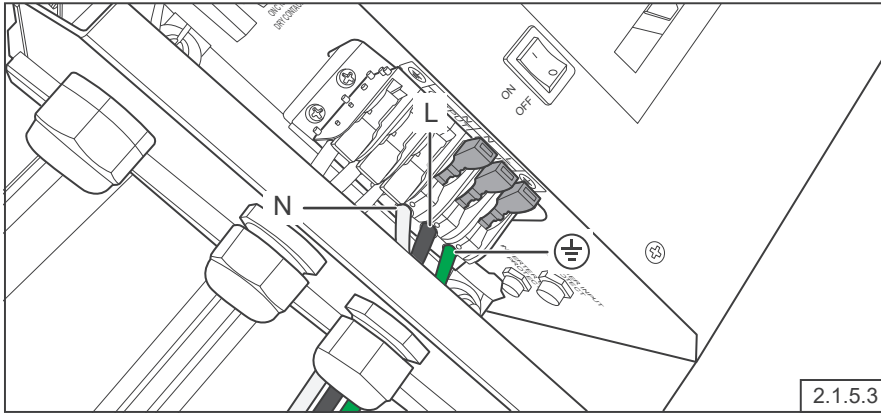
Installation

逆变器接线

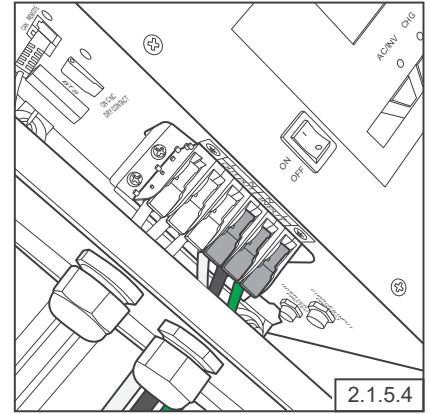
设备接线

安装护板

固定



将火线连接至 (L)接线孔，零线连接至 (N)接线孔，地线连接至 (⊕)接线孔。



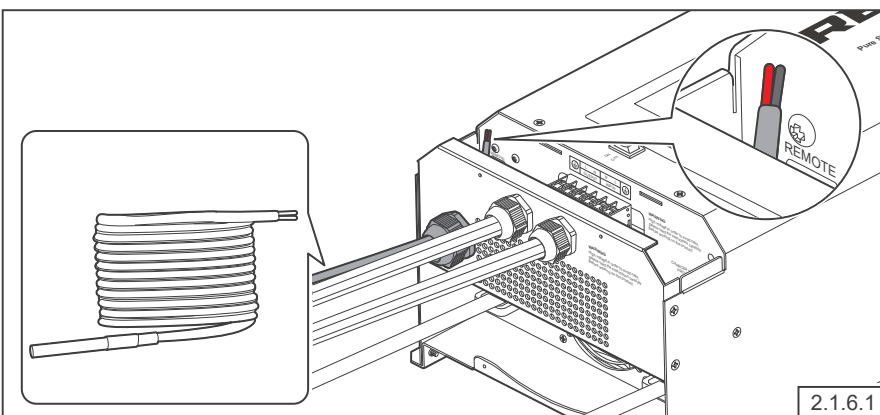
向下关闭AC Input Lever Terminal Block线束固定开关。

温度传感器接线(若需要)

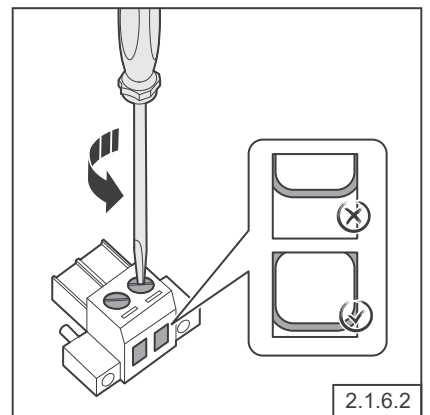
温度传感器能够测量电池的温度，并提供给逆变器进行充电电压校准，以确保逆变器在工作温度 (-20°C 至 60°C) 范围内能够正常地为电池充电。



- Do not use the temperature sensor on a LiFePO4 (LFP) battery which comes with a battery management system (BMS).
- 裸线端需根据接线孔深度使用Wire stripper剥除部分绝缘层。
- 紧固线缆固定器螺丝时禁止用力过大，否则会导致螺纹滑牙或螺丝拧弯锁死。



将温度传感器裸线端穿过Remote & Accessory Cable Entry。



使用一字螺丝刀逆时针旋转线束连接器线缆固定器螺丝，确保线缆固定器处于打开状态。



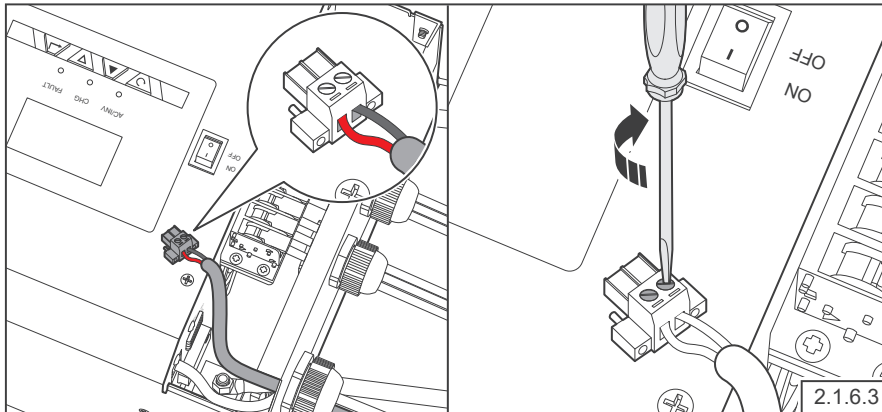
Installation

逆变器接线

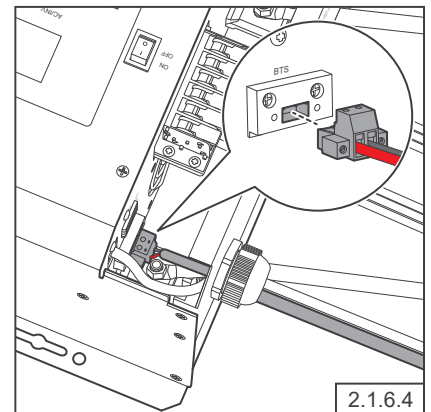
设备接线

安装护板

固定



将温度传感器裸线端连接至线束连接器，使用一字螺丝刀顺时针旋转线束连接器线缆固定器螺丝紧固。



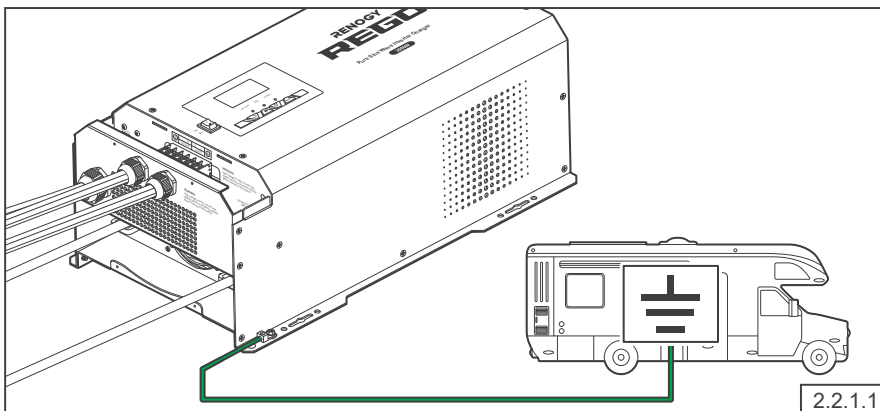
将线束连接器插入逆变器 Dry Contact Relay Terminal Block。

设备接线

接地线



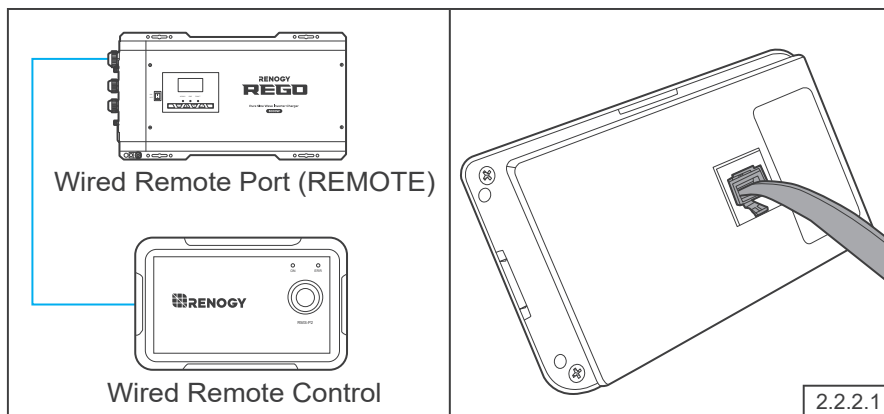
- 线缆需使用Wire stripper剥除部分绝缘层，若有需要可安装线鼻子。
- 请咨询车辆供应商确认Chassis Ground位置。



将接地线另一端连接至 Chassis Ground。



Wired Remote Control接线(若需要)



将RJ11网线另一端连接器连接至 Wired Remote Control.

电池转接线



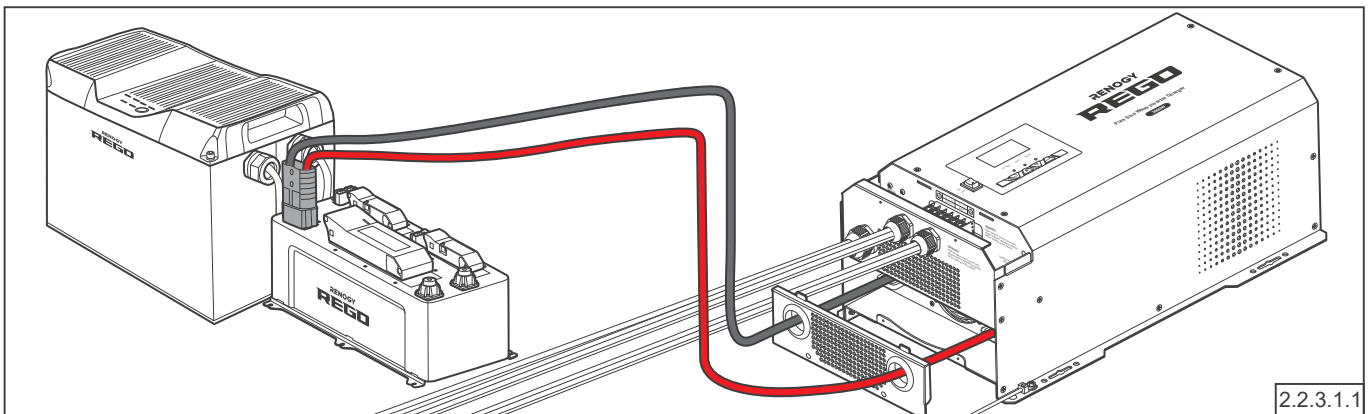
- 本逆变器仅支持12V电池，连接前请先仔细阅读电池用户手册确保电池电压为12V。
- 连接前请确保电池处于断电状态。
- 连接前请确认电池正负极，反接将会导致逆变器损坏并无法维修。由极性连接引起的损坏不在保修范围内。



■ Battery Scenario A: REGO Battery Kit



- 连接前请先仔细阅读REGO 4 Ports 400A System Combiner Box用户手册。
- 通过系统集线盒安德森连接器接入逆变器时，请在顶部的 NH 熔断器断路器中安装 300A NH熔断器。
- 若逆变器使用圆环端子转接线连接System Combiner Box，请访问 Renogy 官网查看完整版用户手册查阅接线方式。
- 若REGO 12V 400Ah Lithium Iron Phosphate Battery使用 Positive/Negative Busbars 接线，请访问 Renogy 官网查看完整版用户手册查阅接线方式。
- 安装过程中确保安德森连接器紧密结合。



将电池转接线Anderson 350 connector连接至 System Combiner Box。



Installation

逆变器接线

设备接线

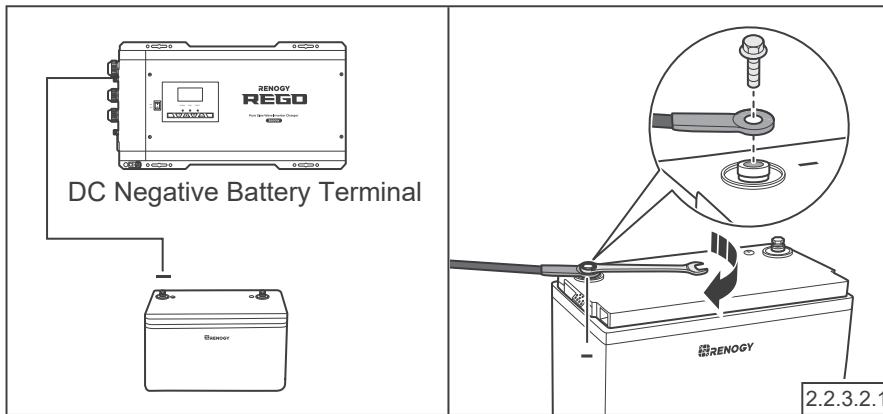
安装护板

固定

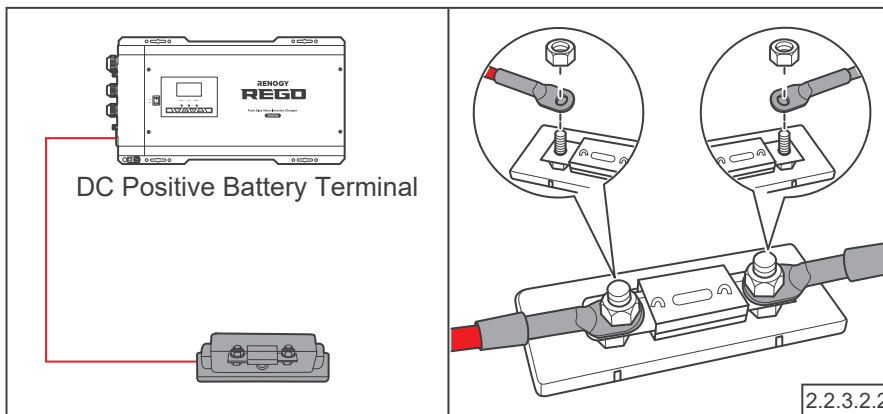
■ Battery Scenario B: Normal Battery Kit



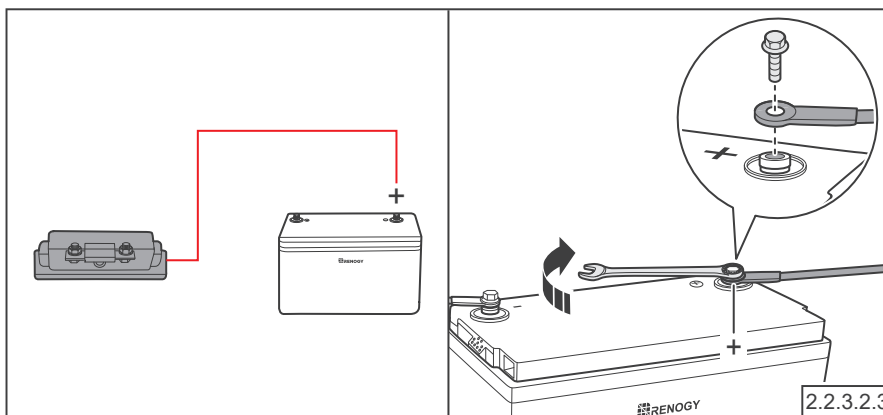
- 请根据电池正/ 负极电线固定螺栓规格选择适用的扳手。
- 安装过程中确保圆环端子连接紧固。



逆变器电池转接线负极圆环端子与 Normal Battery 负极连接，使用扳手顺时针紧固电线固定螺栓。



为了您的安全，建议使用电池保险丝(400A)，将逆变器电池转接线正极圆环端子安装至电池保险丝，电池保险丝另一端安装保险丝连接线。



保险丝连接线另一端圆环端子与 Normal Battery 正极连接，使用扳手顺时针紧固电线固定螺栓。



Installation

逆变器接线

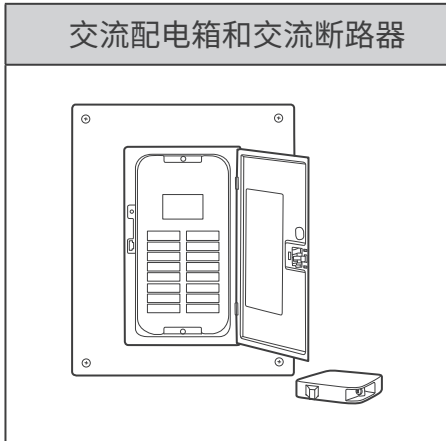
设备接线

安装护板

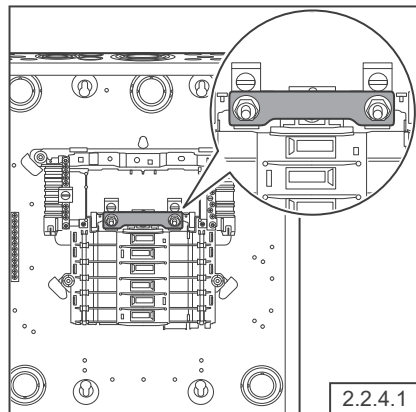
固定

AC Output接线

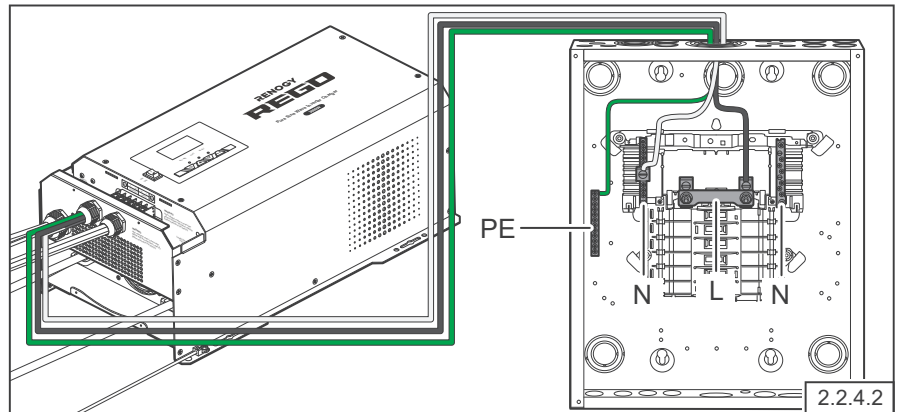
推荐配件



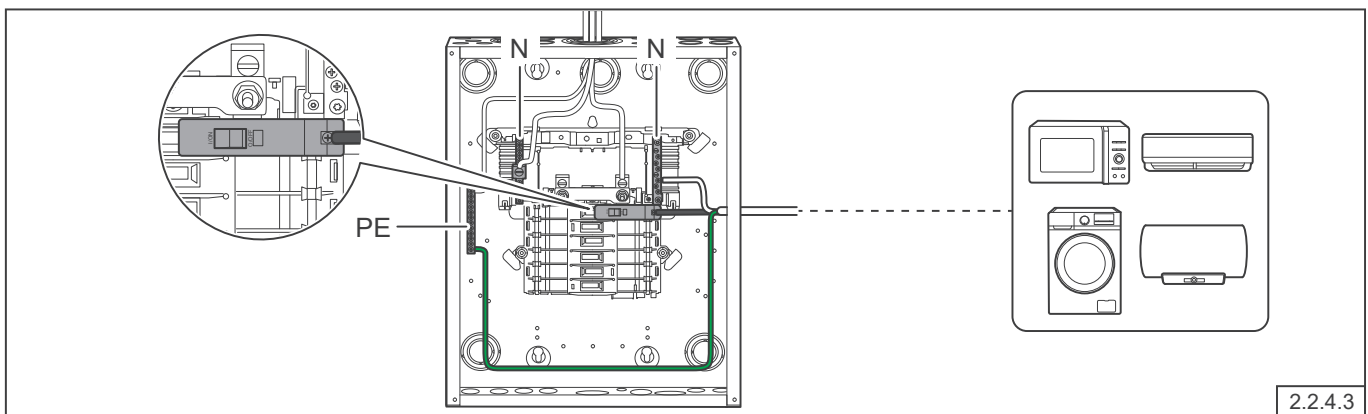
- 为了您的安全，建议由熟悉电气系统相关安全规范的专业人员进行安装。
- 安装之前请仔细阅读交流配电箱用户手册。



拆下配电箱前盖，使用铜排将两个火线汇流排连接。



将逆变器AC Output线缆连接至配电箱。火线接入火线（L）端子，零线接入零线（N）汇流排，地线接入地线（PE）汇流排。



根据负载工作电流选择合适的断路器并将负载连接至配电箱。火线接入断路器，零线接入零线（N）汇流排，地线接入地线（PE）汇流排。



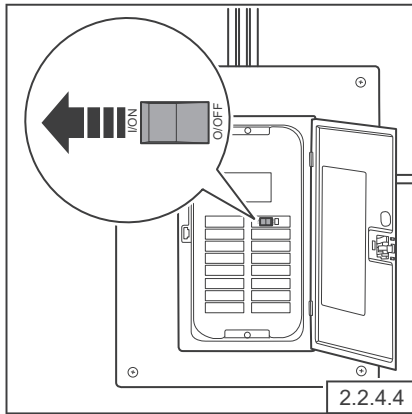
Installation

逆变器接线

设备接线

安装护板

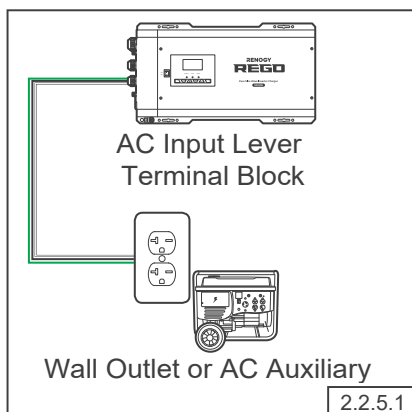
固定



安装配电箱前盖，打开配电箱中全部断路器。

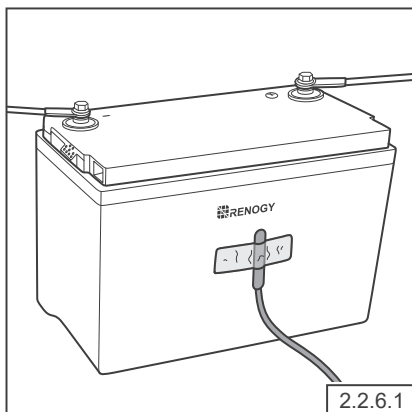
AC Input接线(若需要)

根据实际使用需求，逆变器AC Input端线缆连接至AC电源（Wall Outlet or AC Auxiliary）即可。接入市电时，需使用变压器将市电电压降至12V，请查阅变压器用户手册指导接线。接入AC Auxiliary时，请查阅AC Auxiliary用户手册指导接线。



- 确保AC电源电流 $\leq 30A$ ，否则逆变器无法工作。
- 触电危险！连接时确保Wall Outlet or AC Auxiliary处于断电状态。

温度传感器接线(若需要)



使用绝缘胶带将温度传感器紧密的固定在电池上。



Installation

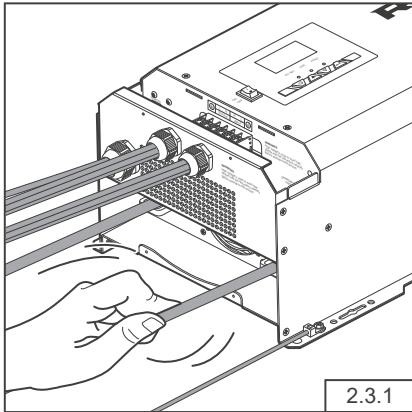
逆变器接线

设备接线

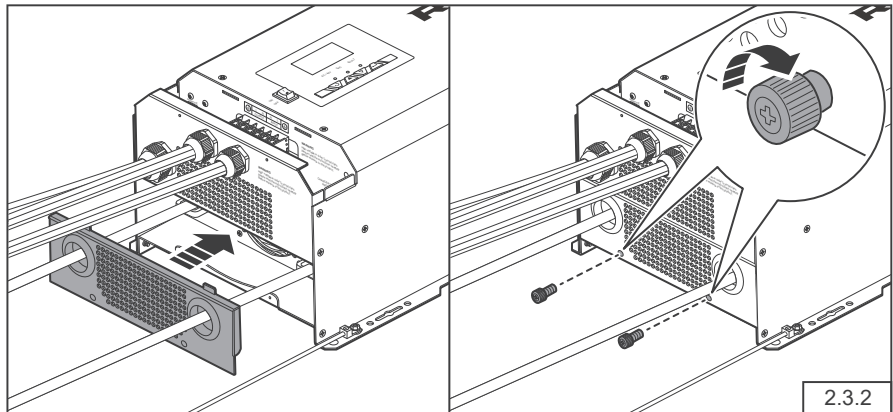
安装护板

固定

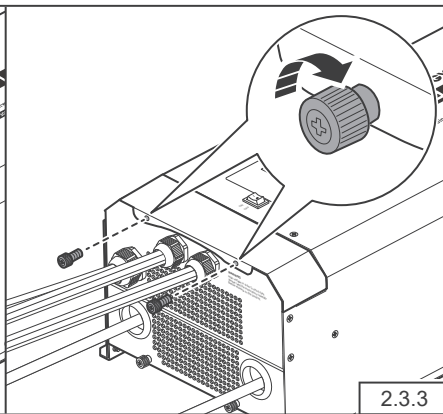
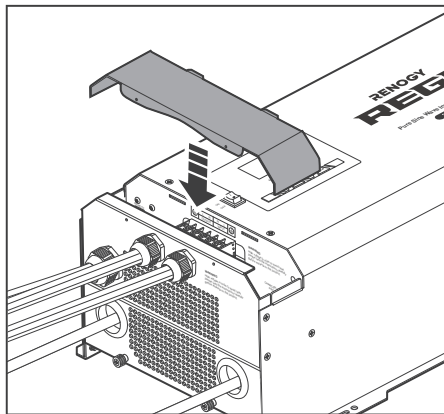
安装护板



检查并确保所有线缆连接紧固。



安装Removable DC Cable Plate，使用2个面板螺钉顺时针旋转固定。

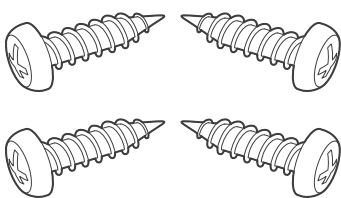


安装Removable Top Plate，使用2个面板螺钉顺时针旋转固定。

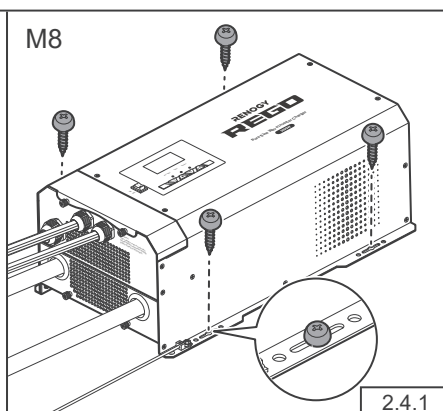
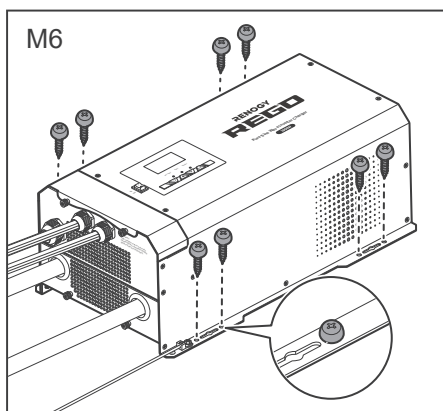
固定

必备配件

自动螺钉(M8 or M6)



- 请根据实际情况选择长度适合的自动螺钉。
- 请确保逆变器安装牢固，防止滑动或脱落。



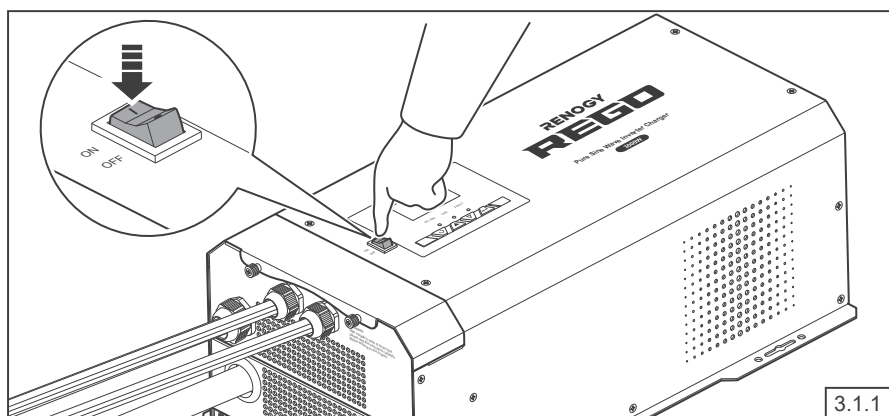
将逆变器对准安装位置，使用自攻螺钉通过安装孔固定。

安装完成后，请先将与逆变器连接的电池和AC电源恢复至通电状态，随后将逆变器开机，REGO 12V 3000W Inverter Charger可通过主电源开关或有线遥控器进行开机操作。

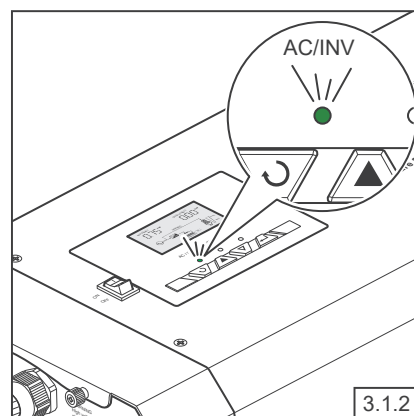


- 开机前确保负载处于关闭状态，否则可能造成逆变器过载。
- 逆变器开机后将进入自检模式，自检时蜂鸣器长响7秒，同时风扇自行运转，自检需要一分钟左右，自检完成后提示音关闭，风扇停止运转。

主电源开关



按下逆变器主电源开关至“ON”位置即可开机。

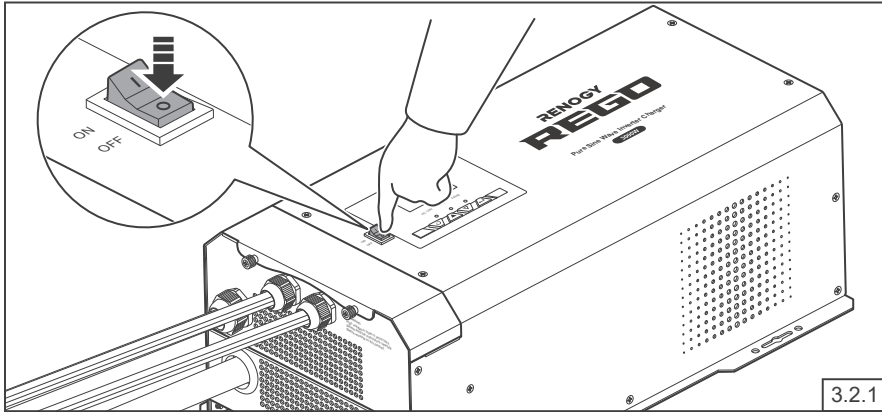


开机后屏幕点亮并显示运行状态，指示灯将根据实际使用情况点亮。

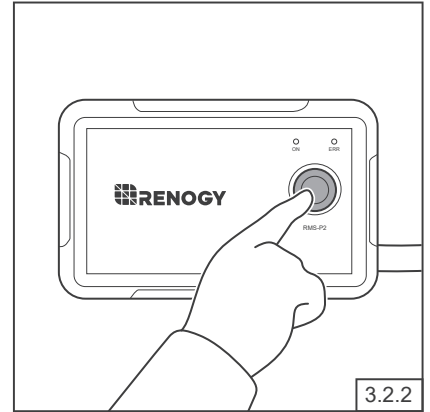
在确保逆变器安装正确且电源正常供电后，若开机后未满足以下任一条件，代表逆变器存在故障，请访问Renogy官网通过“联系我们”获得帮助。

- 蜂鸣器长响7秒。
- 风扇运转。
- 屏幕点亮。
- 指示灯点亮。

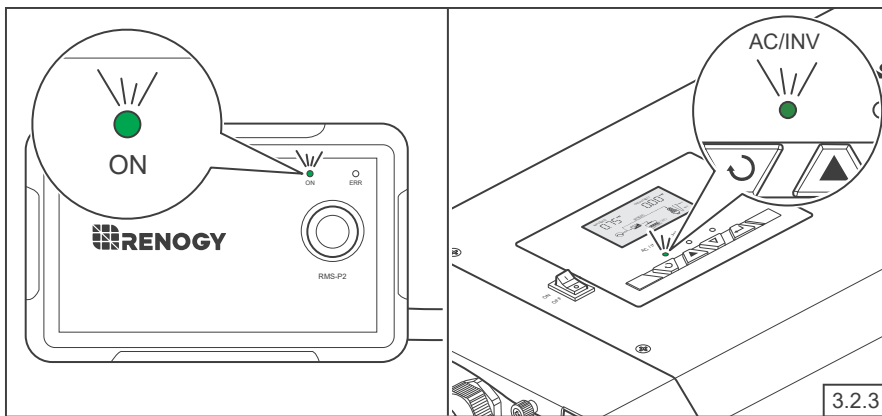
有线遥控器



若使用有线遥控器，请先将逆变器主电源开关关闭至“OFF”位置。



按下有线遥控器上的按钮即可开机。



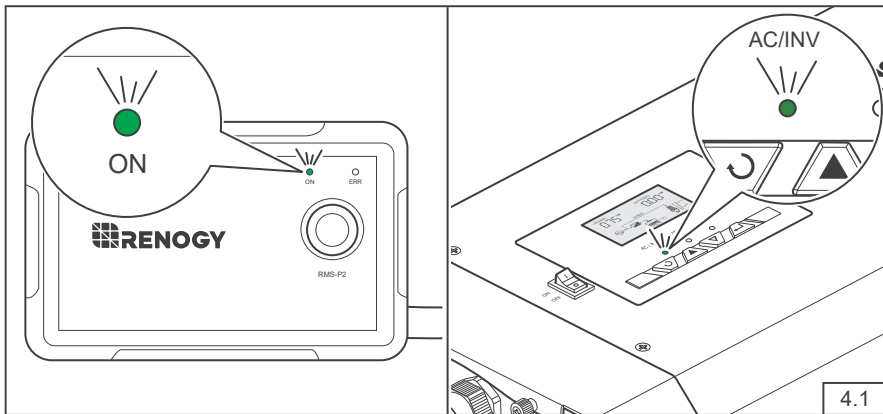
开机后有线遥控器指示灯和逆变器指示灯将根据实际使用情况点亮，逆变器屏幕点亮并显示运行状态。

在确保逆变器安装正确且电源正常供电后，若开机后未满足以下任一条件，代表逆变器存在故障，请访问Renogy官网通过“联系我们”获得帮助。

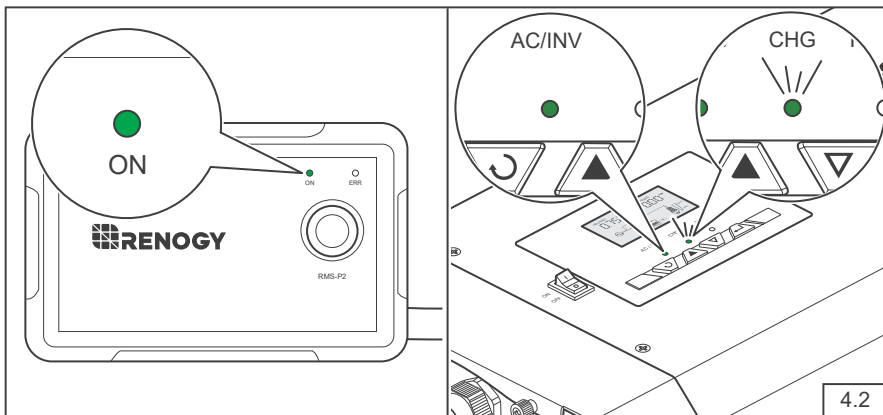
- 蜂鸣器长响7秒。
- 风扇运转。
- 屏幕点亮。
- 指示灯点亮。
- 有线遥控器ON指示灯点亮。

REGO 12V 3000W Inverter Charger **combine** an inverter and battery charger with an automatic transfer switch into one complete system. Featuring a 3-stage battery charging mode when connected to utility AC power, inverter charger can meet powerful demand needs as well as charge your battery bank. As a power supply, it is capable of producing cleaner, smoother, and more reliable electricity for a user's electronic needs. Take full advantage of the multiple features.

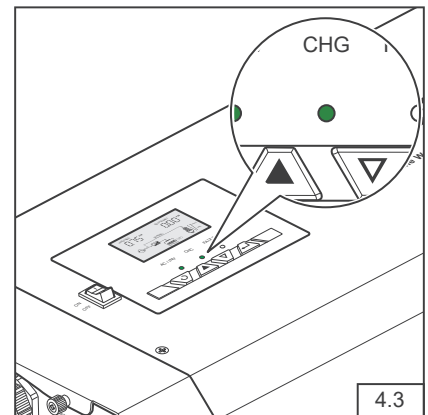
The inverter charger are equipped with a 30A transfer relay switch that switches between Inverter and Standby mode depending on availability of AC input power. If AC is present, the transfer relay bypasses up to 30A of the incoming AC power through the inverter to power the AC loads on the inverter's output, 同时逆变器给电池充电。In the event AC power gets disconnected, the inverter will power the loads through the battery bank.



若逆变器未连接AC电源或AC电源处于断电状态，此时负载由电池供电，有线遥控器ON指示灯和逆变器AC/INV指示灯绿色闪烁。



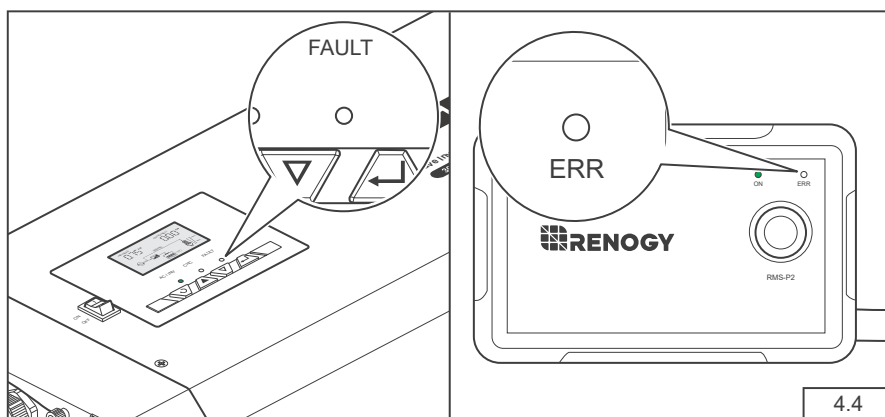
若逆变器已连接AC电源且处于通电状态，此时负载由AC电源供电，有线遥控器ON指示灯和逆变器AC/INV指示灯绿色常亮，同时逆变器开始给电池充电，CHG指示灯绿色闪烁。



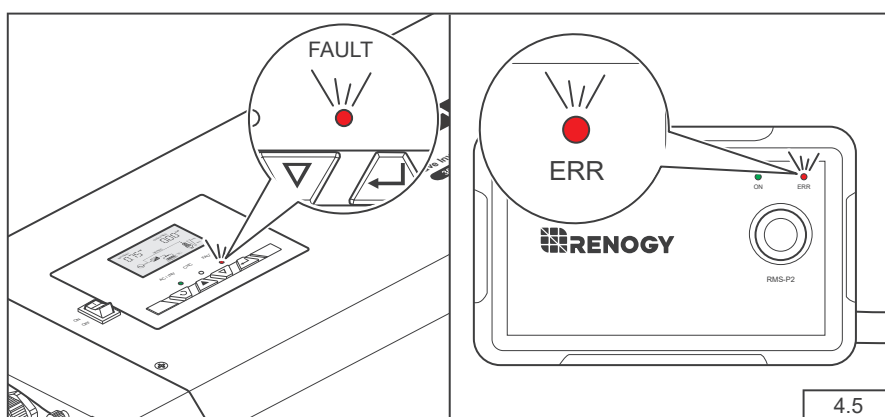
当电池处于满电状态时，CHG指示灯绿色常亮。



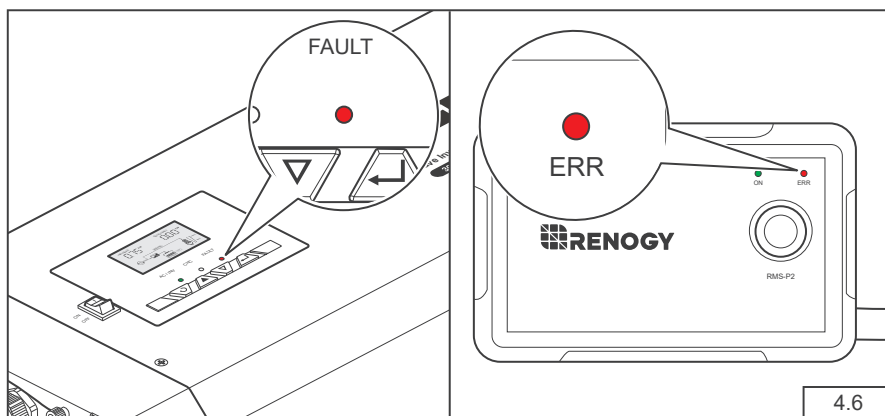
- 在确保电源设备（电池和AC电源）运行状态正常的情况下，若AC/INV指示灯和CHG指示灯未按照本手册说明点亮，代表逆变器存在故障，请访问Renogy官网通过“联系我们”获得帮助。
- 您可以使用程序[11]设置充电参数。如果默认设置不适用于您的特定安装，您可以在自定义（电池）设置菜单上调整充电阶段设置（按照电池制造商的建议），也可通过DC Home app设置，相关操作请访问Renogy 官网查看完整版用户手册。



正常情况下，逆变器FAULT 指示灯和有线遥控器ERR指示灯不会点亮。



若逆变器FAULT 指示灯和有线遥控器ERR指示灯红色闪烁，同时蜂鸣器鸣响（0.5s），代表逆变器出现警告，请访问Renogy 官网查看完整版用户手册排查警告原因。



若逆变器FAULT 指示灯和有线遥控器ERR指示灯红色常亮，同时蜂鸣器长响，代表逆变器存在故障，请访问Renogy 官网通过“联系我们”获得帮助。

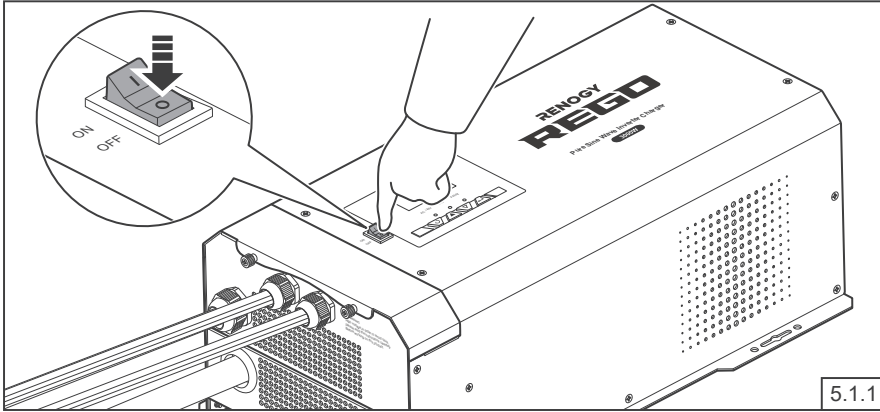


关机

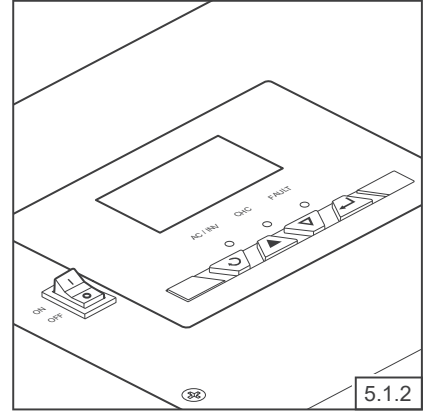
主电源开关

有线遥控器

主电源开关

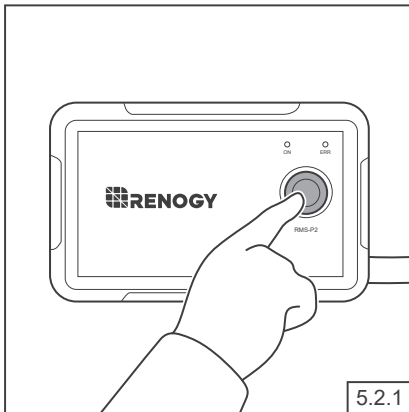


按下逆变器主电源开关至“OFF”位置即可关机。

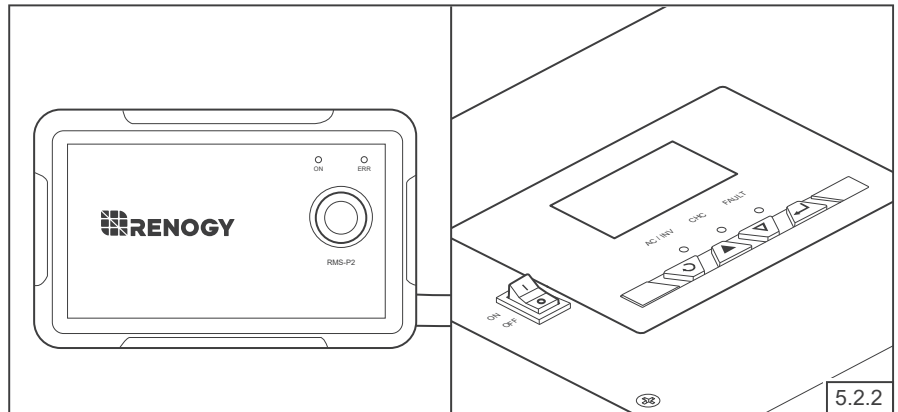


关机后屏幕和指示灯熄灭。

有线遥控器



若使用有线遥控器，按下有线遥控器上的按钮即可关机。



关机后有线遥控器ON指示灯、逆变器屏幕和指示灯熄灭。

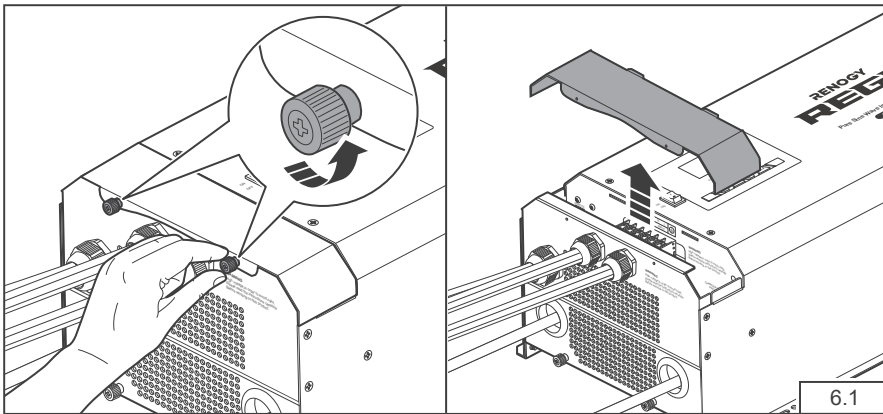


过流保护

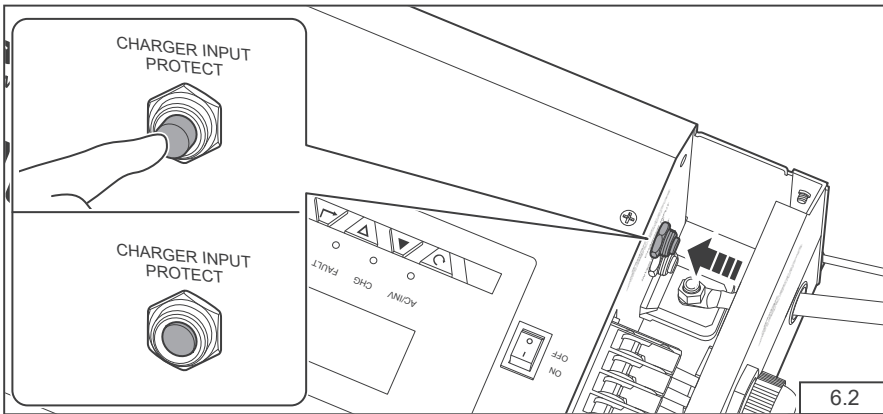
REGO 12V 3000W Inverter Charger 自带30A输入/输出断路器，当输入/输出电流大于30A时，逆变器将自动断开断路器来保护逆变器及连接的其它设备，当断路器断开后，逆变器停止工作，需手动复位后才能恢复工作。



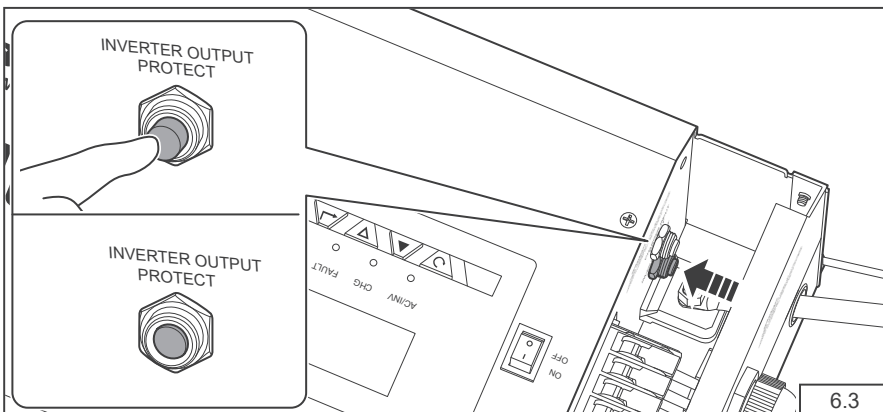
- 触电危险！断路器复位时请关闭逆变器和与逆变器连接的电源设备。
- 操作时请穿戴适当的防护装备并使用绝缘工具。Be careful when touching bare terminals of capacitors as they may retain high lethal voltages even after power is removed.
- 复位后请将Removable Top Plate安装回逆变器。



用手逆时针旋转上方2个面板螺钉并拆下Removable Top Plate。若用手无法拆卸，可使用十字螺丝刀。



当AC输入电流超过30A时，30A Input Circuit Breaker将自动弹出，向内按压复位即可。



当AC输出电流超过30A时，30A Output Circuit Breaker将自动弹出，向内按压复位即可。



补充充电

AC 发电机

DC 发电机

REGO 12V 3000W Inverter Charger 拥有补充充电功能，若您的发电机具有自动启停功能，建议将发电机连接至Dry Contact Relay Terminal Block。

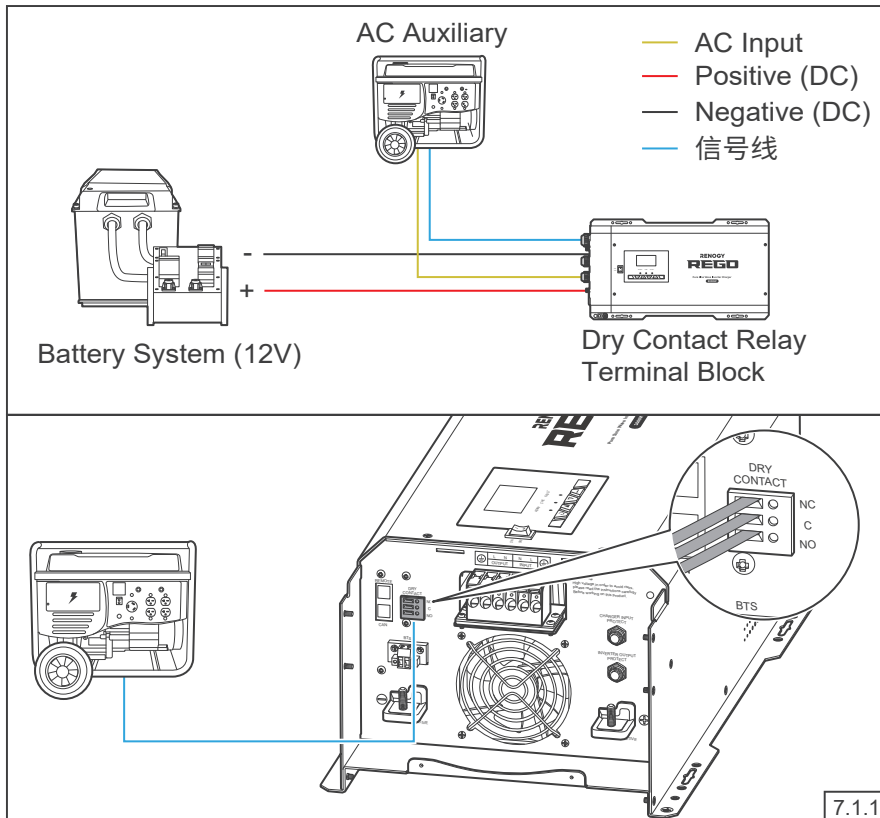
您可在逆变器程序96设置电压值，操作方法请访问Renogy官网查看完整版用户手册，当电池电压低于程序96设置的电压值时，逆变器自动启动发电机来给电池充电，同时负载由发电机供电，当电池电压高于设置值后，逆变器将自动关闭发电机。

逆变器补充充电功能支持AC发电机和DC发电机。



- 请咨询发电机供应商，确保发电机具备自动启停功能，并确认发电机NC、C、NO触电位置，否则无法使用补充充电功能。
- Do not store units with auto gen start feature enabled. Generators exhaust dangerous fumes when running.

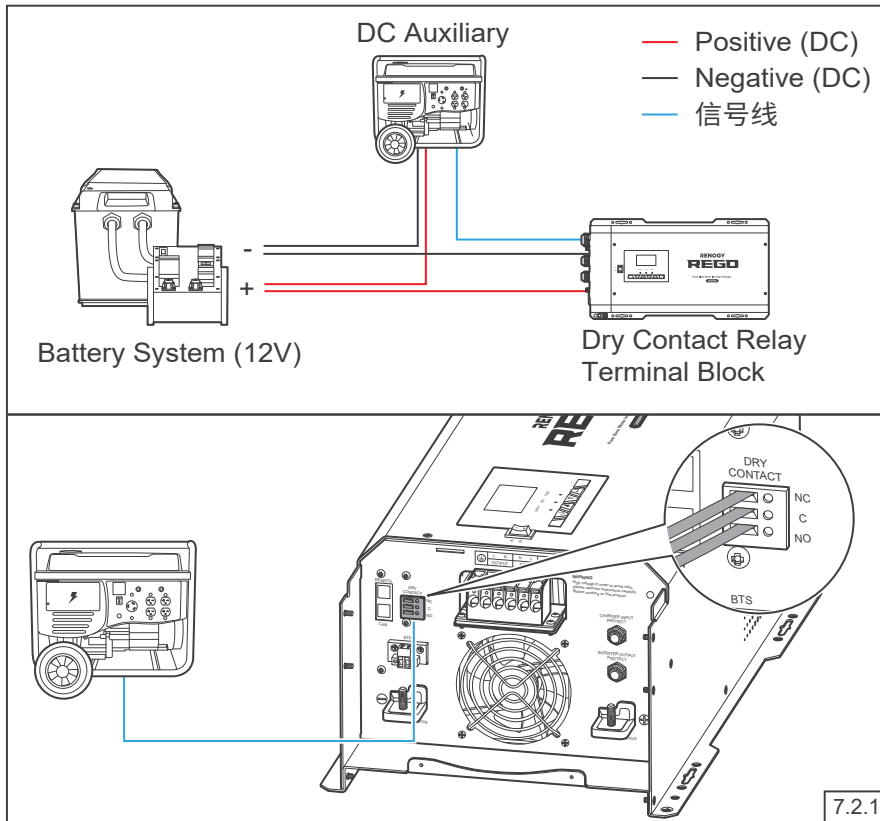
AC 发电机



若您的AC发电机具备自动启停功能，可通过信号线将发电机连接至逆变器Dry Contact Relay Terminal Block相对应的NC、C、NO接线孔内，详细方法请访问Renogy官网查看完整版用户手册。



DC 发电机



若您的DC发电机具备自动启停功能，先将发电机输出端连接至电池正负极，通过信号线将发电机连接至逆变器Dry Contact Relay Terminal Block相对应的NC、C、NO接线孔内，详细方法请访问Renogy官网查看完整版用户手册。



The communication connection is optional. It allows the inverter charger to communicate with other REGO devices and monitoring devices, enabling safe operation, smart control, remote monitoring, and programmable settings.

Inter-Device Communication

Depending on the installation condition, the RV-C communication connections between the inverter charger and other REGO devices can be established with backbone or daisy chain topology. The inter-device communication allows the inverter charger to dynamically adjust the charging profile for an optimal and safe charge.

Backbone Topology

If an RV-C bus is pre-installed in the RV, check the network wiring diagram provided by the RV manufacturer and follow the backbone topology for the RV-C communication connections. Refer to the user manual of the inverter charger at renogy.com for more details.

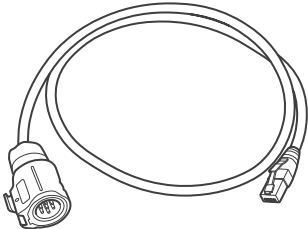
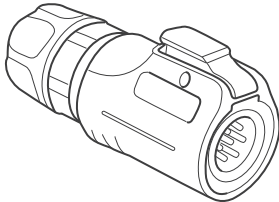
Daisy Chain Topology

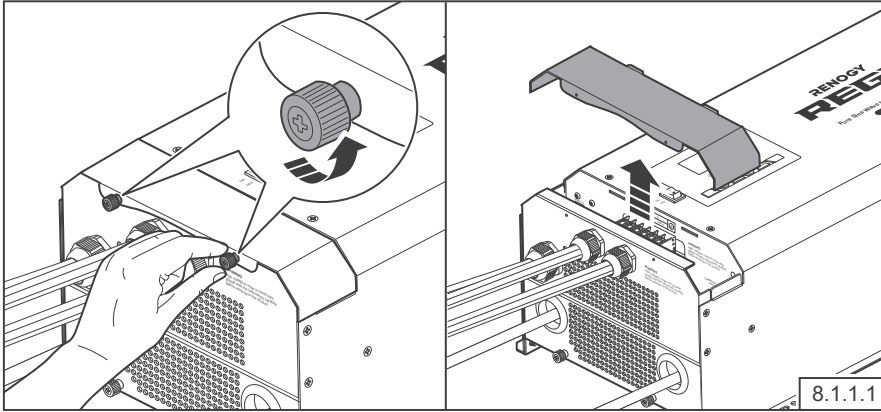
If the RV-C bus is not available, follow the daisy chain topology for the communication connections.



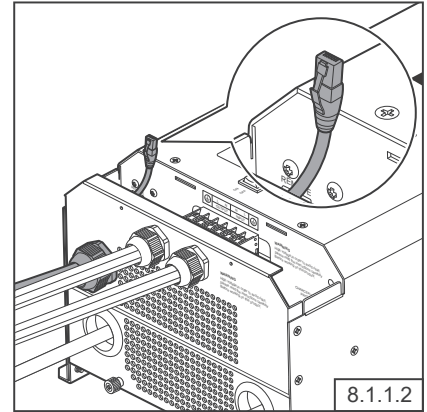
- 触电危险！连接时请关闭逆变器与与逆变器连接的电源设备。
- 操作时请穿戴适当的防护装备并使用绝缘工具。Be careful when touching bare terminals of capacitors as they may retain high lethal voltages even after power is removed.
- 请将逆变器置于通讯网络的首位或未位。

Recommended Accessories

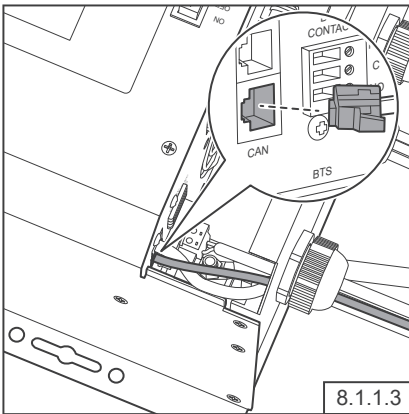
LP16 Plug (7-Pin) 转RJ45转接线	LP16 Terminator P lug (7-Pin)
	



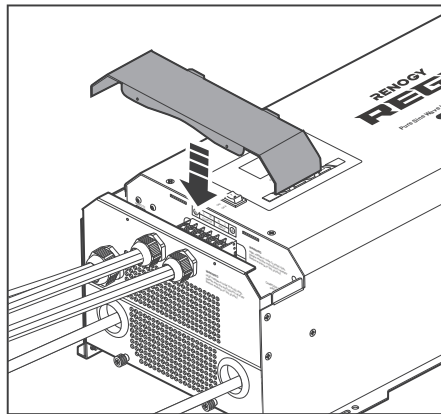
用手逆时针旋转上方2个面板螺钉并拆下Removable Top Plate。若用手无法拆卸，可使用十字螺丝刀。



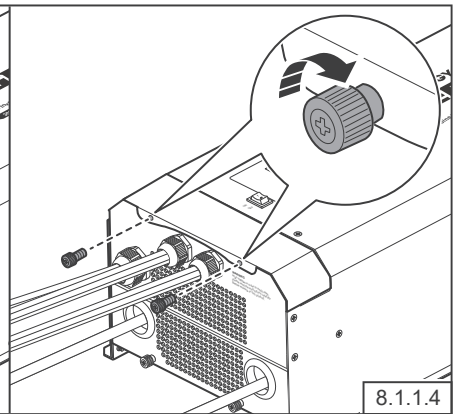
将转接线RJ45连接器穿过 Remote & Accessory Cable Entry。



将RJ45连接器连接至 Communication Port (CAN Bus)。



安装Removable Top Plate，使用2个面板螺钉顺时针旋转固定。



Daisy Chain Topology

转接线LP16 Plug (7-Pin)连接至其他REGO系列设备空余的CAN通信端口。
将终端插头（单独出售）插入第一台或最后一台REGO设备上的空余CAN通信端口。

8.1.1.5



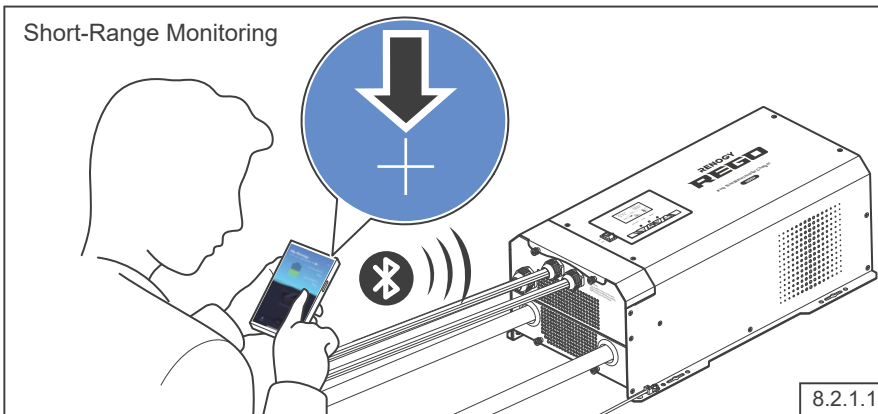
Monitoring Device Communication

Depending on the application, the short-range or long-range communication connections can be established between the inverter charger and the monitoring devices. The monitoring device communication allows for the monitoring and programming of the inverter charger or even the complete system.

- ⚠ Please scan the QR code on the last page of the Quick Guide to download the DC Home app.
- Please make sure that the inverter charger is turned on before the connection.

Short-Range Monitoring

If only short-range monitoring is required, connect the inverter charger to the DC Home app directly through Bluetooth.



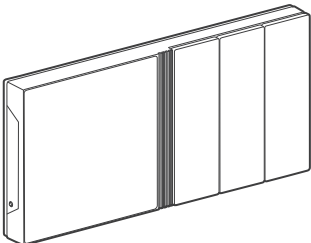
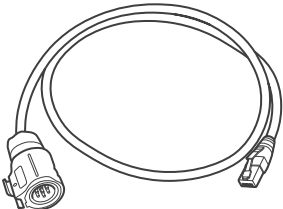
Click "+" to search for new devices. Add the newly found inverter charger to the device list. Monitor the inverter charger on the device page.

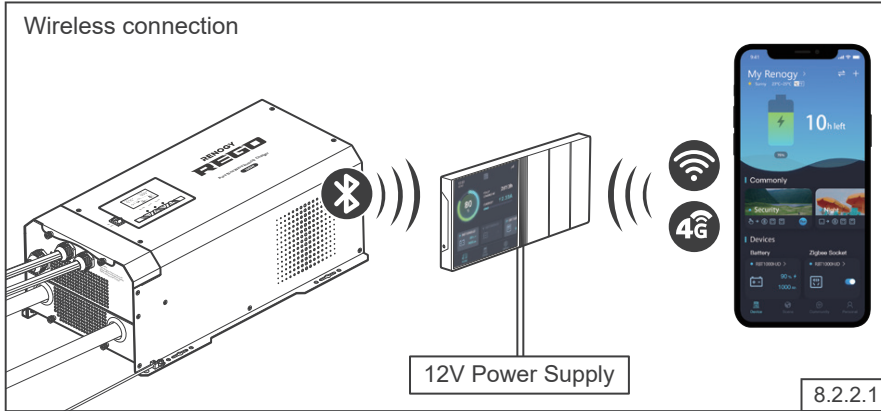
Long-Range Monitoring

If long-range communication and programming are required, connect the inverter charger to Renogy ONE through Bluetooth or hard wire, and the Renogy ONE to the DC Home app through WiFi or cellular network.

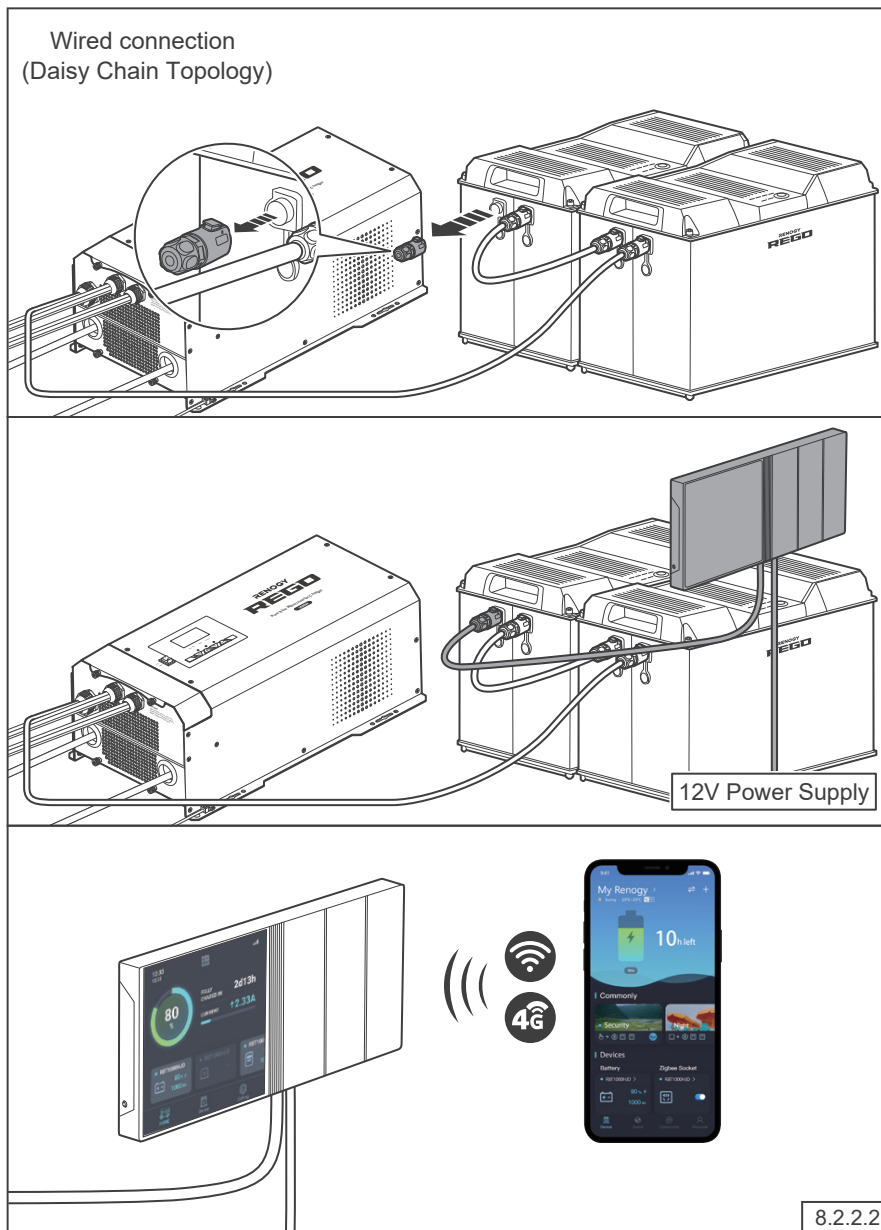
- ⚠ Please make sure that the Renogy ONE is powered on before the connection.
- Please read the user manual of Renogy ONE at renogy.com before the connection.

Recommended Accessories

Renogy ONE	LP16 Plug (7-Pin) to RJ45 Communication Adapter Cable
	



If the inter-device communication is not established, connect the inverter charger to the Renogy ONE (sold separately) through Bluetooth, and the Renogy ONE to the DC Home app through WiFi or cellular network. Monitor the inverter charger on the Renogy ONE or the DC Home app.



If the inter-device communication is established with the backbone topology, connect the Renogy ONE to the RV-C bus. Contact the RV manufacturer for more details before the connection.

If the inter-device communication is established with the daisy chain topology, remove the Terminator Plug from the REGO device at either end of the daisy chain and connect the Renogy ONE to the free CAN Communication Port on the REGO device with the Communication Adapter Cable (sold separately).

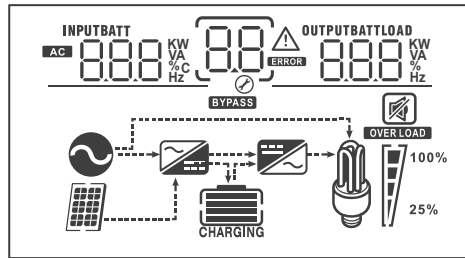
Connect the Renogy ONE to the DC Home app through WiFi or cellular network. Monitor and program the complete system on the Renogy ONE or the DC Home app.



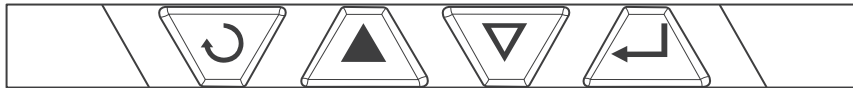
操作与保养

操作

您可以通过逆变器的屏幕查看当前逆变器运行状态与警告信息，通过4个按键，可翻页浏览或设置逆变器参数，详细操作方法请访问Renogy 官网查看完整版用户手册。



AC/INV CHG FAULT



	Exit setting mode, go back to main menu.
	Cycle through the menu.
	Cycle through the menu.
	<ol style="list-style-type: none"> Hold down to enter Parameter setting menu. Tap to change/confirm setting in parameter setting menu.

保养

为了获得逆变器的最佳性能，建议不定时执行这些任务。

- 确保逆变器安装在干净、干燥、通风的区域。
- 检查逆变器的接线，确保没有电线损坏或磨损。
- 确保所有线缆连接的牢固性，检查任何松动、损坏或烧坏的连接。
- 确保 AC/INV 指示灯、CHG 指示灯和 FAULT 指示灯状态正常。
- 确保所有端子没有任何腐蚀、绝缘损坏、高温或燃烧 / 变色痕迹。
- 若逆变器较脏，可用湿布清洁设备外部，以防止灰尘和污垢积聚，清洁后确保逆变器完全干燥后才可开机。
- 确保通风孔没有堵塞。



- 电击危险！确保触摸逆变器上的端子之前所有的电源都已关闭，操作时请穿戴适当的防护装备并使用绝缘工具。Be careful when touching bare terminals of capacitors as they may retain high lethal voltages even after power is removed.

FCC Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- (1) Orient or relocate the receiving antenna.
- (2) Increase the separation between the equipment and receiver.
- (3) Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- (4) Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



Renogy Empowered

Renogy aims to empower people around the world through education and distribution of DIY-friendly renewable energy solutions.

We intend to be a driving force for sustainable living and energy independence.

In support of this effort, our range of solar products makes it possible for you to minimize your carbon footprint by reducing the need for grid power.



Live Sustainably with Renogy

Did you know? In a given month, a 1KW solar energy system will...



Save 170 pounds of coal from being burned



Save 300 pounds of CO₂ from being released into the atmosphere



Save 105 gallons of water from being consumed



Renogy Power **PLUS**

Renogy Power Plus allows you to stay in the loop with upcoming solar energy innovations, share your experiences with your solar energy journey, and connect with like-minded people who are changing the world in the Renogy Power Plus community.

Also, follow us on Social Media [@RenogySolar](#).

Visit renogy.com to find relevant documentation or get more support via "[Contact Us](#)".
Renogy reserves the right to change the contents of this manual without notice.

Your voice matters! Scan the QR code to submit your feedback on the product.



Join the Renogy Power Plus Community by downloading the DC Home App. Find your e-warranty here, and more.

