

GOODWE



Quick Installation Guide

Rechargeable Li-ion Battery System

Lynx Home A Series

(LX A5.0-10)

V1.1-2023-8-20

01 Safety Precaution

General Disclaimer

- The information in this Guide is subject to change due to product updates or other reasons. This guide cannot replace the product labels or the safety precautions in the user manual unless otherwise specified. All descriptions in this Guide are for guidance only.
- Read through the quick installation guide before installations. For additional information, please see the user manual.
- All operations should be performed by trained and knowledgeable technicians who are familiar with local standards and safety regulations.
- Check the deliverables for correct model, complete contents, and intact appearance. Contact After-sales Service for anything wrong.
- Use insulating tools and wear personal protective equipment (PPE) when operating the equipment to ensure personal safety.
- Strictly follow the installation, operation, and configuration instructions in this guide and relative user manual. The manufacturer shall not be liable for equipment damage or personal injury if you do not follow the instructions. For more warranty details, please visit <https://en.goodwe.com/warranty>.

Safety Disclaimer

Instructions during Installation

- Please keep Power Off before any operations to avoid danger. Strictly follow all safety precautions outlined in this manual and safety labels on the equipment.
- High voltage exists in the Lynx Home A Series Rechargeable Li-ion Battery System. Do not touch or operate it. Keep away from it. Only professionals are allowed!
- Please use appropriate tools and take protective measures when installing and maintaining heavy equipment. Improper operations will cause personal injuries.
- Do not use the battery module or Power Control Unit (PCU in short) if it is defective, broken, or damaged.
- Do not disassemble, modify, or replace any part of the battery module or PCU without official authorization from the manufacturer.
- Pay attention to the negative and positive during installation to avoid reverse polarity connection. Otherwise the short circuit may cause personal injuries and equipment damage.

Emergency Measures

Damaged battery modules may leak electrolyte. Do not contact with the liquid leakage or volatile gas. Please contact After-sales Service for help immediately.

- **Inhalation:** Evacuate from the contaminated area, and seek immediate medical assistance.
- **Eye contact:** Rinse your eyes for at least 15 minutes with clean water and seek immediate medical assistance.
- **Skin contact:** Thoroughly wash the touch area with soap and clean water, and seek immediate medical assistance.
- **Ingestion:** Induce vomiting, and seek immediate medical assistance.

Label Description

Symbol	Description	Symbol	Description
	Potential risks exist. Wear proper PPE before any operations.		Keep the equipment away from open flame or ignition source.
	HIGH VOLTAGE HAZARD. High voltage exists during the equipment's running. Ensure the equipment is power off before any operations.		Keep the equipment away from children.
	Operate the equipment properly to avoid explosion.		No extinguishing with water.
	The equipment contains corrosive electrolytes. In case of a leak in the equipment, avoid contact the leaked liquid or gas.		Do not dispose of the equipment with household garbage at its end of life. Dispose it according to local laws and regulations. Or send it to the manufacturer.
	Batteries contain flammable materials. Beware of fire.		Put the battery in the right place and recycle it in compliance with local environmental regulations.
	Read through the user manual before any operations on the equipments.		Pay attention to safety protection during installation, operation and maintenance.
	Read through the user manual before any operations on the system.		Grounding. To indicate PE cable connection position.
	CE Marking.		TUV Marking.
	RCM Marking.	-	-

Check before Power ON

No.	Check Item
1	The equipment is firmly installed in a clean place where is well-ventilated and easy to operate.
2	Ensure that PE, the Battery Combiner Box, power cable, and the communication cable are connected correctly and securely.
3	Cable ties are intact, routed properly and evenly.

EU Declaration of Conformity

The equipment sold in the European market meets the following directives and requirements:

- Electromagnetic compatibility Directive 2014/30/EU (EMC)
- Restrictions of Hazardous Substances Directive 2011/65/EU and (EU) 2015/863 (RoHS)
- Waste Electrical and Electronic Equipment 2012/19/EU
- Registration, Evaluation, Authorization and Restriction of Chemicals (EC) No 1907/2006 (REACH)
- Battery Directive 2006/66/EC

You can download the EU Declaration of Conformity on the official website:

<https://en.goodwe.com>.

01 Precauções de segurança

Aviso de isenção de responsabilidade geral

- As informações nesse guia estão sujeitas a alterações devido a atualizações do produto ou outros motivos. Este guia não substitui os rótulos do produto ou as precauções de segurança no manual do usuário, a menos que especificado o contrário. Todas as descrições nesse guia são somente para orientação.
- Leia o guia de instalação rápida antes das instalações. Para obter informações adicionais, consulte o manual do usuário.
- Todas as operações devem ser realizadas por técnicos treinados e experientes que estejam familiarizados com as normas locais e os regulamentos de segurança.
- Verifique as entregas quanto ao modelo correto, conteúdo completo e aparência intacta. Entre em contato com o serviço pós-venda se houver algum problema.
- Use ferramentas isolantes e vista equipamento de proteção individual (EPI) ao operar o equipamento para garantir a segurança pessoal.
- Siga rigorosamente as instruções de instalação, operação e configuração desse guia e do respectivo manual do usuário. O fabricante não será responsável por danos ao equipamento ou ferimentos se você não seguir as instruções. Para obter mais detalhes sobre a garantia, acesse <https://en.goodwe.com/warranty>.

Aviso de isenção de responsabilidade de segurança

Instruções durante a instalação

- Mantenha a energia desligada antes de qualquer operação para evitar perigos. Siga rigorosamente todas as precauções de segurança descritas nesse manual e nas etiquetas de segurança do equipamento.
- O sistema de bateria de íons de lítio recarregável Lynx Home Série A apresenta alta tensão. Não toque nem o opere. Mantenha distância dele. Somente profissionais são permitidos!
- Utilize ferramentas adequadas e tome medidas de proteção ao instalar e fazer manutenção de equipamentos pesados. Operações inadequadas causarão lesões na pessoa.
- Não use o módulo de bateria ou a unidade de controle de energia (PCU) se estiver com defeito, quebrado ou danificado.
- Não desmonte, modifique ou substitua nenhuma parte do módulo de bateria ou da PCU sem autorização oficial do fabricante.
- Preste atenção ao que é negativo e positivo durante a instalação para evitar conexões de polaridade inversa. Caso contrário, o curto-circuito poderá causar lesões na pessoa e danos ao equipamento.

Medidas emergenciais

Módulos de bateria danificados podem vazam eletrólito. Não tenha contato com vazamento de líquido ou gás volátil. Entre em contato com o serviço pós-venda para obter ajuda imediatamente.

- **Inalação:** evacue a área contaminada e procure assistência médica imediata.
- **Contato com os olhos:** enxágue os olhos por pelo menos 15 minutos com água limpa e procure assistência médica imediata.
- **Contato com a pele:** lave bem a área que esteve em contato com sabão e água limpa e procure assistência médica imediata.
- **Ingestão:** induza o vômito e procure assistência médica imediata.

Descrição das etiquetas

Símbolo	Descrição	Símbolo	Descrição
	Existem riscos potenciais. Use EPI adequado antes de qualquer operação.		Mantenha o equipamento longe de chamas ou fontes de ignição.
	RISCO DE ALTA TENSÃO. O equipamento fica com alta tensão durante o funcionamento. Desligue o equipamento antes de qualquer operação.		Mantenha o equipamento longe do alcance de crianças.
	Opere o equipamento corretamente para evitar explosão.		Não é permitido extinguir com água.
	O equipamento contém eletrólitos corrosivos. Em caso de vazamento no equipamento, evite contato com o líquido ou gás vazado.		Não descarte o equipamento com o lixo doméstico no final da sua vida útil. Descarte-o de acordo com as leis e regulamentos locais. Ou envie para o fabricante.
	As baterias contêm materiais inflamáveis. Fique atento a incêndios.		Coloque a bateria no lugar certo e recicle-a de acordo com as regulamentações ambientais locais.
	Leia o manual do usuário antes de qualquer operação nos equipamentos.		Preste atenção à proteção de segurança durante a instalação, operação e manutenção.
	Leia o manual do usuário antes de qualquer operação no sistema.		Aterramento. Para indicar a posição de conexão do cabo PE.
	Marcação CE.		Marcação TUV.
	Marcação RCM.	-	-

Verificação antes de ligar

Nº	Item para verificar
1	O equipamento está instalado firmemente em um local limpo, bem ventilado e fácil de operar.
2	Certifique-se de que o cabo PE, a barra de cobre da caixa de junção, o cabo de energia e o cabo de comunicação estejam conectados corretamente e com segurança.
3	As braçadeiras de cabo estão intactas, roteadas de maneira adequada e uniforme.

Declaração de Conformidade da UE

O equipamento comercializado no mercado europeu atende às seguintes diretrizes e requisitos:

- Diretiva de Compatibilidade Eletromagnética 2014/30/EU (EMC)
- Diretiva de Restrições de Substâncias Perigosas 2011/65/EU e (UE) 2015/863 (RoHS)
- Resíduos de Equipamentos Elétricos e Eletrônicos 2012/19/EU
- Registro, Avaliação, Autorização e Restrição de Produtos Químicos (EC) Nº 1907/2006 (REACH)
- Diretiva de Baterias 2006/66/EC

Baixe a Declaração de Conformidade da UE no site oficial:

<https://en.goodwe.com>.

01 Biện Pháp Đề Phòng An Toàn

Tuyên Bố Từ Chối Trách Nhiệm Chung

- Thông tin trong Hướng dẫn này có thể thay đổi do cập nhật sản phẩm hoặc bất kỳ lý do nào khác. Hướng dẫn này không thể thay thế cho các nhãn sản phẩm hoặc các biện pháp phòng ngừa an toàn có trong hướng dẫn sử dụng trừ khi có quy định khác. Tất cả mô tả trong Hướng dẫn này chỉ dành cho mục đích hướng dẫn.
- Đọc kỹ hướng dẫn lắp đặt nhanh trước khi lắp đặt. Để biết thêm thông tin, vui lòng xem hướng dẫn sử dụng.
- Mọi hoạt động vận hành phải được thực hiện bởi các kỹ thuật viên đã qua đào tạo và có hiểu biết, đã quen với các tiêu chuẩn địa phương và các quy định về an toàn.
- Kiểm tra các sản phẩm được giao để xem có đúng model, đầy đủ thành phần và hình thức nguyên vẹn hay không. Hãy liên hệ với Dịch vụ Hậu mãi nếu có bất kỳ sai sót nào.
- Sử dụng các dụng cụ cách điện và trang bị thiết bị bảo hộ cá nhân (PPE) khi vận hành thiết bị để đảm bảo sự an toàn cá nhân.
- Tuân thủ nghiêm ngặt các chỉ dẫn lắp đặt, vận hành và cấu hình có trong hướng dẫn này và hướng dẫn sử dụng liên quan. Nhà sản xuất sẽ không chịu trách nhiệm về thiệt hại cho thiết bị hoặc thương tích cá nhân nếu bạn không làm theo hướng dẫn. Để biết thêm chi tiết về bảo hành, vui lòng truy cập [https:// en.goodwe.com/warranty](https://en.goodwe.com/warranty)

Tuyên Bố Từ Chối Trách Nhiệm về An Toàn

Hướng dẫn trong khi lắp đặt

- Vui lòng Tắt Nguồn trước khi thực hiện bất kỳ thao tác nào để tránh nguy hiểm. Tuân thủ nghiêm ngặt tất cả các biện pháp đề phòng an toàn được nêu trong hướng dẫn sử dụng này và nhãn an toàn trên thiết bị.
- Điện áp cao tồn tại trong Hệ thống Pin Li-ion Có Thể Sạc Lại Lynx Home A Series. Không chạm vào hoặc vận hành. Hãy tránh xa. Chỉ cho phép những người có chuyên môn!
- Vui lòng sử dụng các công cụ thích hợp và thực hiện các biện pháp bảo vệ khi lắp đặt và bảo trì thiết bị nặng. Vận hành không đúng cách sẽ gây thương tích cá nhân.
- Không sử dụng mô-đun pin hoặc Bộ Điều Khiển Nguồn (gọi tắt là PCU) nếu nó bị lỗi, vỡ hoặc hư hỏng.
- Không tháo rời, sửa đổi hoặc thay thế bất kỳ bộ phận nào của mô-đun pin hoặc PCU mà không có sự cho phép chính thức của nhà sản xuất.
- Chú ý đến cực âm và cực dương trong quá trình lắp đặt để tránh kết nối phân cực đảo. Nếu không, chập mạch có thể gây thương tích cá nhân và hư hỏng thiết bị.

Các Biện Pháp Khẩn Cấp

Các mô-đun pin bị hỏng có thể gây rò rỉ chất điện phân. Không tiếp xúc với chất lỏng rò rỉ hoặc khí dễ bay hơi. Vui lòng liên hệ với Dịch vụ Hậu mãi để được trợ giúp ngay lập tức.

- **Hít phải:** Sơ tán khỏi khu vực bị ô nhiễm và tìm kiếm sự trợ giúp y tế ngay lập tức.
- **Tiếp xúc với mắt:** Rửa mắt ít nhất 15 phút bằng nước sạch và tìm kiếm sự trợ giúp y tế ngay lập tức.
- **Tiếp xúc với da:** Rửa kỹ vùng tiếp xúc bằng xà phòng và nước sạch, đồng thời tìm kiếm sự trợ giúp y tế ngay lập tức.
- **Nuốt phải:** Gây nôn và tìm kiếm sự trợ giúp y tế ngay lập tức.

Mô Tả Nhãn

Biểu tượng	Mô Tả	Biểu tượng	Mô Tả
	Có các rủi ro tiềm tàng. Đeo các Thiết Bị Bảo Hộ Cá Nhân (Personal Protective Equipment, PPE) phù hợp trước mỗi lần vận hành.		Giữ thiết bị tránh xa ngọn lửa mở hoặc nguồn đánh lửa.
	NGUY HIỂM ĐIỆN ÁP CAO. Điện áp cao tồn tại trong quá trình chạy thiết bị. Đảm bảo thiết bị đã tắt nguồn trước khi thực hiện bất kỳ thao tác nào.		Giữ thiết bị tránh xa trẻ em.
	Vận hành thiết bị đúng cách để tránh cháy nổ.		Không dập lửa bằng nước.
	Thiết bị có chứa chất điện phân ăn mòn. Trong trường hợp thiết bị bị rò rỉ, tránh tiếp xúc với chất lỏng hoặc khí bị rò rỉ.		Không thải bỏ thiết bị cùng với rác thải sinh hoạt khi hết hạn sử dụng. Thải bỏ theo luật lệ và quy định của địa phương. Hoặc gửi lại cho nhà sản xuất.
	Pin chứa vật liệu dễ cháy. Chú ý hỏa hoạn.		Đặt pin vào đúng vị trí và tái chế pin theo quy định về môi trường của địa phương.
	Đọc kỹ hướng dẫn sử dụng trước khi thao tác trên thiết bị.		Chú ý biện pháp bảo vệ an toàn trong khi lắp đặt, vận hành và bảo trì.
	Đọc kỹ hướng dẫn sử dụng trước khi thao tác trên hệ thống.		Nối đất. Để cho biết vị trí kết nối cáp PE.
	Dấu CE.		Dấu TUV.
	Dấu RCM.	-	-

Kiểm tra trước khi BẬT Nguồn

STT	Mục Kiểm Tra
1	Thiết bị được lắp đặt chắc chắn ở nơi sạch sẽ, thông thoáng và dễ vận hành.
2	Đảm bảo PE, Hộp Bộ Kết Hợp Pin, cáp nguồn và cáp liên lạc được kết nối chính xác và an toàn.
3	Các dây buộc cáp còn nguyên vẹn, được định tuyến đúng cách và đồng đều.

Tuyên Bố về Sự Phù Hợp của EU

Thiết bị được bán tại thị trường Châu Âu đáp ứng các chỉ thị và yêu cầu sau:

- Chỉ Thị về khả năng tương thích của điện từ 2014/30/EU (Electromagnetic compatibility Directive, EMC)
- Chỉ Thị về Hạn Chế Các Chất Nguy Hiểm 2011/65/EU và (EU) 2015/863 (Restrictions of Hazardous Substances, RoHS)
- Thải Bỏ Thiết Bị Điện và Điện Tử 2012/19/EU
- Đăng Ký, Đánh Giá, Cấp Phép và Hạn Chế sử dụng Hóa Chất (EC) Số 1907/2006 (Registration, Evaluation, Authorization and Restriction of Chemicals, REACH)
- Chỉ Thị Về Pin 2006/66/EC

Bạn có thể tải Tuyên Bố về Sự Phù Hợp của EU tại trang web: <https://en.goodwe.com>.

01 ข้อควรระวังเพื่อความปลอดภัย

ข้อสงวนสิทธิ์เบื้องต้น

- ข้อมูลในคู่มือชุดนี้อาจมีการเปลี่ยนแปลงเนื่องจากการปรับปรุงเนื้อหาหรือเนื่องจากสาเหตุอื่น ๆ คู่มือชุดนี้ไม่มีผลแทนกนฉลากผลิตภัณฑ์หรือข้อควรระวังด้านความปลอดภัยในคู่มือผู้ใช้ ยกเว้นหากมีระบุไว้เป็นอย่างอื่น รายละเอียดทั้งหมดในคู่มือชุดนี้เป็นแนวทางเบื้องต้นเท่านั้น
- อ่านคู่มือการติดตั้งอย่างย่อก่อนทำการติดตั้งตรวจสอบรายละเอียดเพิ่มเติมได้จากคู่มือผู้ใช้
- การดำเนินการทั้งหมดให้จัดการโดยช่างผู้เชี่ยวชาญที่ผ่านการฝึกอบรมและคุ้นเคยกับมาตรฐานและข้อบังคับด้านความปลอดภัยในพื้นที่
- ตรวจสอบผลงานว่าเป็นรุ่นที่ถูกต้อง มีส่วนประกอบที่ครบถ้วนและมีลักษณะสมบูรณ์ติดต่อฝ่ายบริการหลังการขาย หากพบอะไรผิดพลาด
- ใช้เครื่องมือที่เป็นฉนวนและอุปกรณ์ป้องกันตัว (PPE) ขณะใช้งานอุปกรณ์เพื่อให้มั่นใจด้านความปลอดภัยของบุคคลที่เกี่ยวข้อง
- ปฏิบัติตามคำแนะนำในการติดตั้งและกำหนดโครงสร้างการทำงานอย่างเคร่งครัดตามที่แจ้งในคู่มือชุดนี้และคู่มือผู้ใช้ที่เกี่ยวข้องผู้ผลิตจะไม่รับผิดชอบใด ๆ ต่อความเสียหายของอุปกรณ์หรือการบาดเจ็บหากคุณไม่ปฏิบัติตามคำแนะนำที่แจ้งตรวจสอบรายละเอียดเพิ่มเติมได้ที่ <https://en.goodwe.com/warranty>.

ข้อสงวนสิทธิ์เพื่อความปลอดภัย

คำแนะนำระหว่างการติดตั้ง

- กรุณาปิดเครื่องก่อนปฏิบัติงานเพื่อป้องกันไม่ให้เกิดอันตรายปฏิบัติตามข้อควรระวังเพื่อความปลอดภัยทั้งหมดในคู่มือชุดนี้และฉลากแจ้งเตือนเพื่อความปลอดภัยที่อุปกรณ์ทั้งหมด
- แบตเตอรี่ลิเทียมไอออนแบบชาร์จไฟได้ Lynx Home A Series มีแรงดันไฟฟ้าสูงอย่าสัมผัสหรือใช้งานเว้นระยะห่างเพื่อความปลอดภัยเฉพาะผู้เชี่ยวชาญเท่านั้น!
- กรุณาใช้เครื่องมือที่เหมาะสมและมาตรการป้องกันขณะติดตั้งและดูแลรักษาอุปกรณ์ที่มีน้ำหนักมากการใช้งานที่ไม่เหมาะสมอาจทำให้เกิดการบาดเจ็บได้
- อย่าใช้โมดูลแบตเตอรี่หรือชุดควบคุมการทำงาน (PCU) หากพบว่าไม่สมบูรณ์หรือเสียหาย
- อย่าถอดแยกส่วนประกอบ ดัดแปลงหรือเปลี่ยนโมดูลแบตเตอรี่หรือ PCU โดยไม่ได้รับอนุญาตอย่างเป็นทางการจากผู้ผลิต
- ระมัดระวังขั้วบวกและขั้วลบให้ดีระหว่างการติดตั้งเพื่อป้องกันการเชื่อมต่อขั้วไฟฟ้ากลับทางไม่เช่นนั้นอาจเกิดการลัดวงจรและทำให้ได้รับบาดเจ็บหรืออุปกรณ์ได้รับความเสียหาย

มาตรการฉุกเฉิน

โมดูลแบตเตอรี่ที่เสียหายอาจทำให้เกิดไฟไหม้หรือระเบิดได้ หากพบไฟไหม้หรือระเบิดของเหลวหรือก๊าซระเหยที่รั่วไหลออกมากรุณาติดต่อฝ่ายบริการหลังการขายเพื่อขอความช่วยเหลือในทันที

- การสูดดม:** อพยพออกจากพื้นที่ปนเปื้อนและรีบพบแพทย์
- เข้าตา:** ล้างตาอย่างน้อย 15 นาทีโดยใช้น้ำสะอาดแล้วรีบพบแพทย์
- โดนผิวหนัง:** ล้างจุดสัมผัสด้วยสบู่และน้ำสะอาด และรีบพบแพทย์
- กลืนกินเข้าไป:** ทำให้อาเจียนแล้วรีบพบแพทย์

รายละเอียดฉลากกำกับ

สัญลักษณ์	รายละเอียด	สัญลักษณ์	รายละเอียด
	อาจมีความเสี่ยง สวม PPE ที่เหมาะสมก่อนปฏิบัติงาน		เก็บอุปกรณ์ให้พ้นจากเปลวไฟหรือแหล่ง จุดติดไฟ
	อันตรายจากไฟฟ้าแรงสูงมีกระแสไฟฟ้าแรง สูงระหว่างการทำงานของอุปกรณ์อุปกรณ์ จะต้องปิดทำงานก่อนการปฏิบัติงาน		เก็บอุปกรณ์ให้ห่างจากเด็กเล็ก
	ใช้งานอุปกรณ์ให้ถูกต้องเพื่อป้องกันการ จุดระเบิด		อย่าดับเพลิงโดยใช้น้ำ
	อุปกรณ์มือเล็คโทรไลต์ที่มีฤทธิ์กัดกร่อน ในกรณีที่มีการรั่วไหลภายในอุปกรณ์ อย่า สัมผัสกับของเหลวหรือก๊าซที่รั่วไหล		อย่าทิ้งอุปกรณ์กับขยะครัวเรือนเมื่อ หมดอายุการใช้งานทั้งตามกฎหมายและ ระเบียบข้อบังคับในพื้นที่หรือส่งคืนให้ แก่ผู้ผลิต
	แบตเตอรี่มีวัตถุไวไฟระวางเปลวเพลิงให้ตี		ทิ้งแบตเตอรี่ให้ถูกต้องและส่งรีไซเคิล ตามข้อบังคับด้านสิ่งแวดล้อมในพื้นที่
	อ่านคู่มือผู้ใช้อย่างละเอียดก่อนใช้งาน อุปกรณ์		ปฏิบัติตามมาตรการป้องกันเพื่อความ ปลอดภัยระหว่างการติดตั้ง การใช้งาน และดูแลรักษา
	อ่านคู่มือผู้ใช้อย่างละเอียดก่อนใช้งานเครื่อง		การต่อกราวด์ เพื่อระบุตำแหน่งเชื่อมต่อสาย PE
	สัญลักษณ์ CE		สัญลักษณ์ TUV
	สัญลักษณ์ RCM	-	-

ตรวจสอบก่อนเปิดเครื่อง

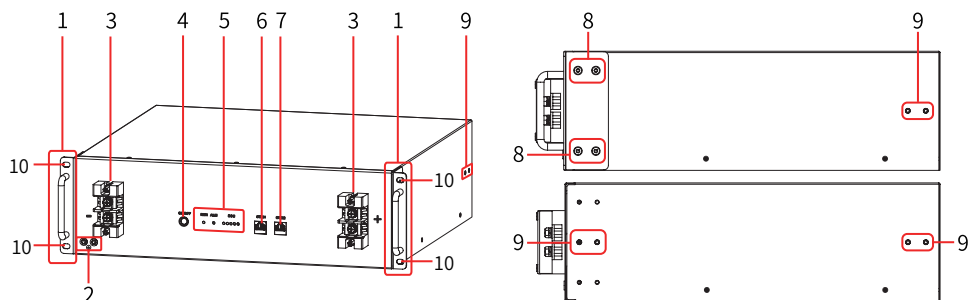
No.	รายการตรวจสอบ
1	อุปกรณ์ติดตั้งแน่นหนาดีในที่สะอาดที่มีอากาศถ่ายเทและปฏิบัติงานได้สะดวก
2	PE, ตู้รวมกระแสไฟฟ้าแบตเตอรี่, สายไฟและสายสัญญาณสื่อสารจะต้องต่อให้ถูกต้องและแน่นหนา
3	ที่รัดสายจะต้องแน่นหนา เดินสายได้ถูกต้องและสม่ำเสมอ

ถ้อยแถลงการปฏิบัติตามเงื่อนไขของ EU

- อุปกรณ์ที่จำหน่ายในภาคพื้นยุโรปผ่านเกณฑ์ข้อบัญญัติและเงื่อนไขต่อไปนี้
- Electromagnetic compatibility Directive 2014/30/EU (EMC)
- Restrictions of Hazardous Substances Directive 2011/65/EU and (EU) 2015/863 (RoHS)
- Waste Electrical and Electronic Equipment 2012/19/EU
- Registration, Evaluation, Authorization and Restriction of Chemicals (EC) No 1907/2006 (REACH)
- Battery Directive 2006/66/EC
- คุณสามารถดาวน์โหลดถ้อยแถลงการปฏิบัติตามเงื่อนไขของ EU ได้จากเว็บไซต์ทางการที่

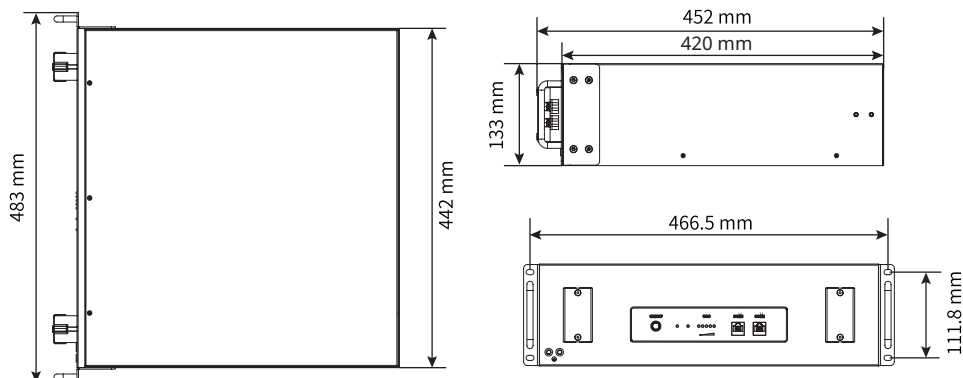
<https://en.goodwe.com>.

Ports and Components Introduction | Apresentação de portas e componentes
 | Giới Thiệu Cổng và Linh Kiện | เบื้องต้นเกี่ยวกับพอร์ตเชื่อมต่อและส่วนประกอบต่าง ๆ



- | | | |
|------------------------------|------------------------|-------------------------------|
| 1. Hanger | 2. PE Terminals | 3. Power Input & Output Ports |
| 4. Power Button | 5. Indicator | 6. Communication port (COM1) |
| 7. Communication port (COM2) | 8. Hanger Fixing Holes | 9. Bracket Fixing Holes |
| 10. Battery Fixing Holes | | |

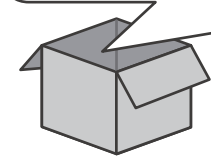
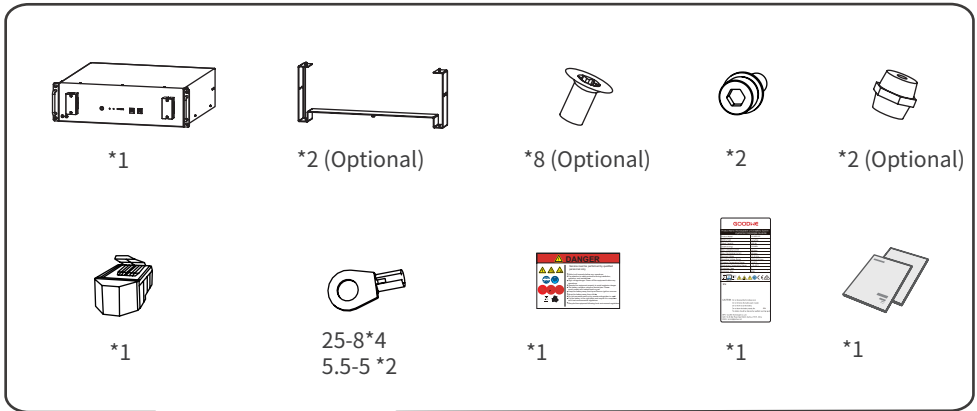
Dimension | Dimensões | Kích thước | ขนาด



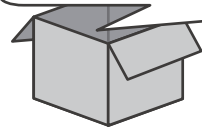
03 Installation | Instalação | Lắp đặt | การติดตั้ง

Deliverables | Entregas | Thành phẩm | ผลิตภัณฑ์ที่จัดส่ง

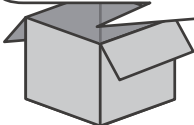
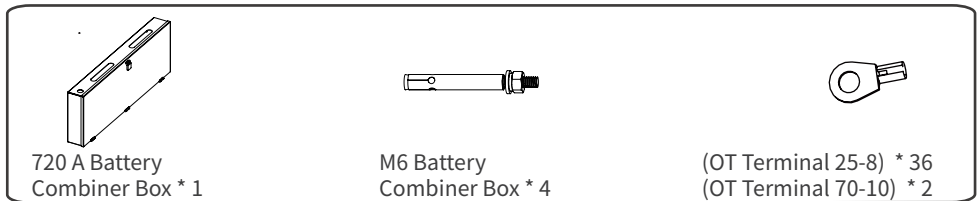
Battery



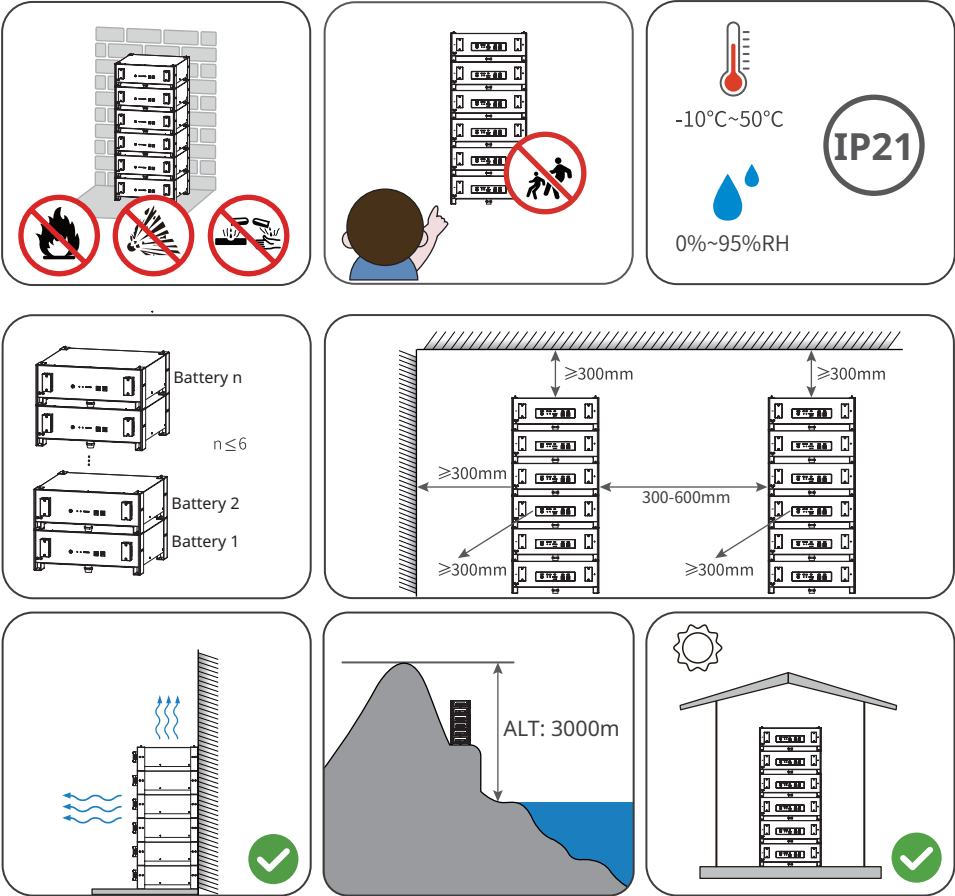
Battery Combiner Box (BCB-11-WW-0) (Optional)



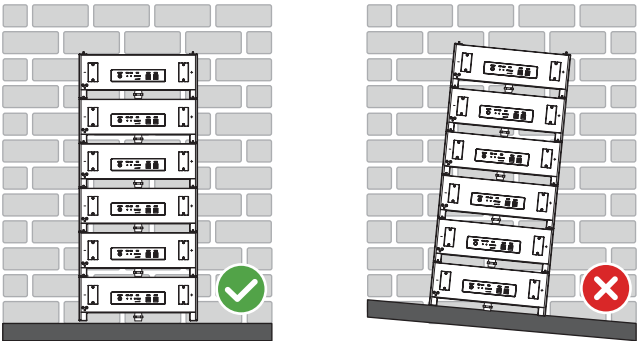
Battery Combiner Box (BCB-22-WW-0) (Optional)



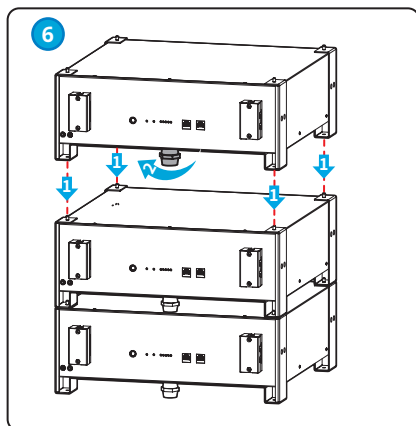
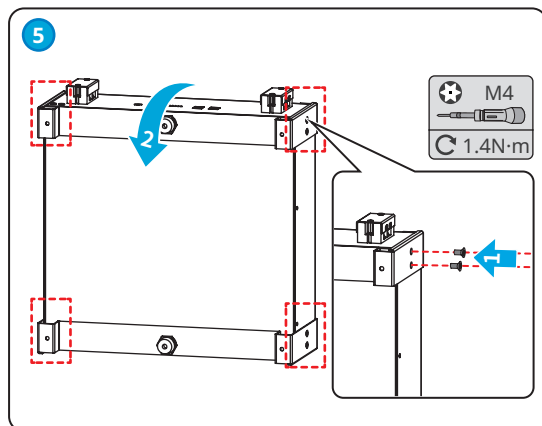
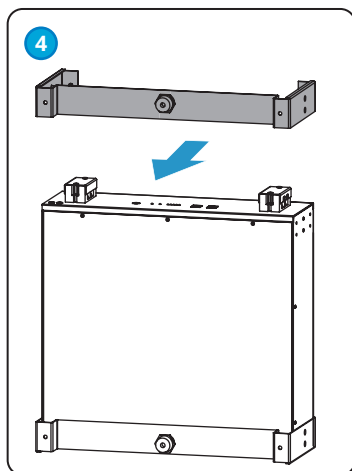
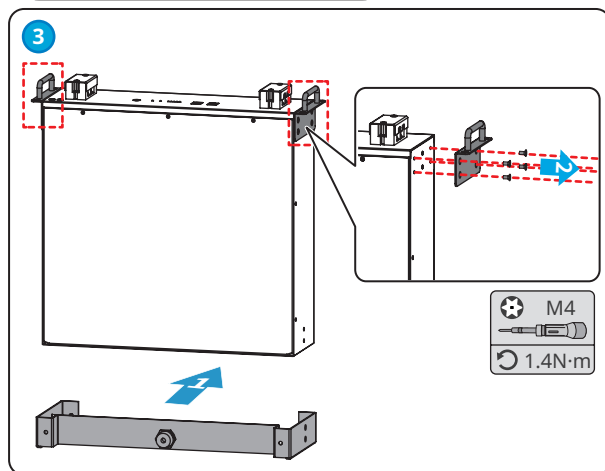
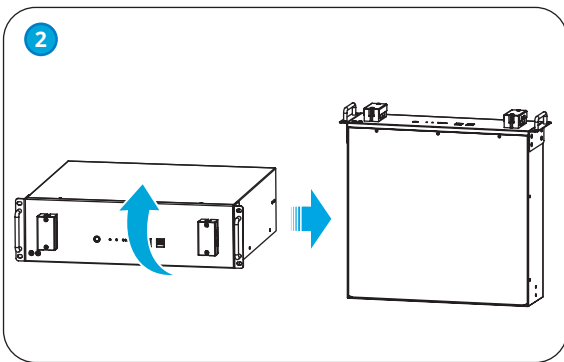
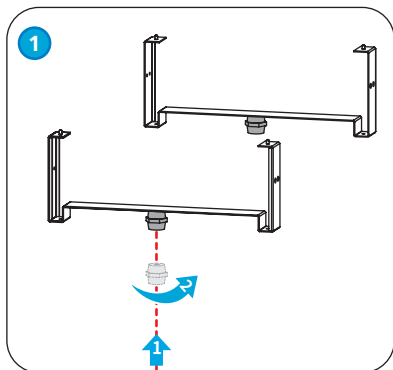
Space Requirements | Requisitos de espaço | Yêu Cầu về Không Gian | เชื้อไขด้านพื้นที่



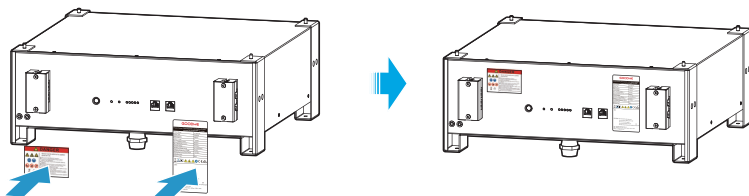
Angle Requirements | Requisitos do ângulo | Yêu Cầu về Góc | เชื้อไขเกี่ยวกับองศาการจัดวาง



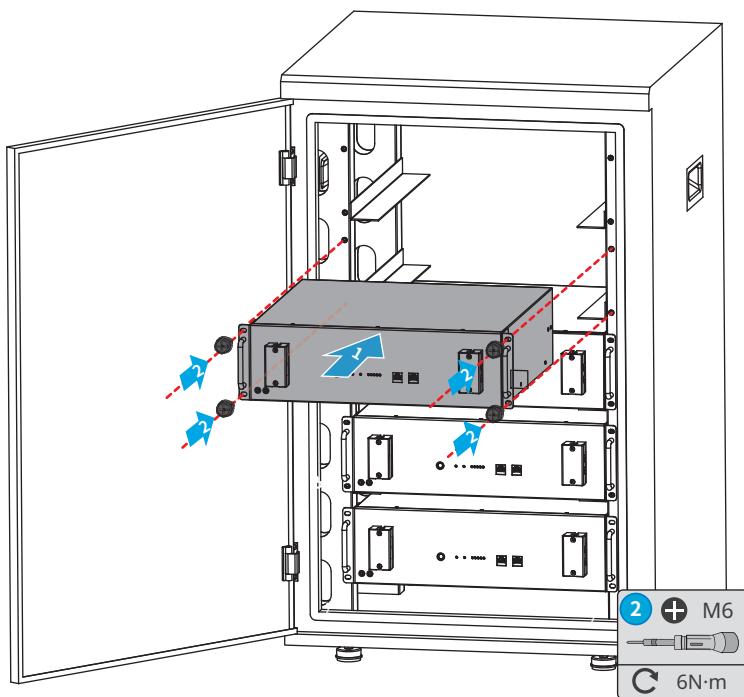
Bracket Installation | Instalação no suporte | Lắp Đặt Giá Đỡ | การติดตั้งค้ำ



1



2

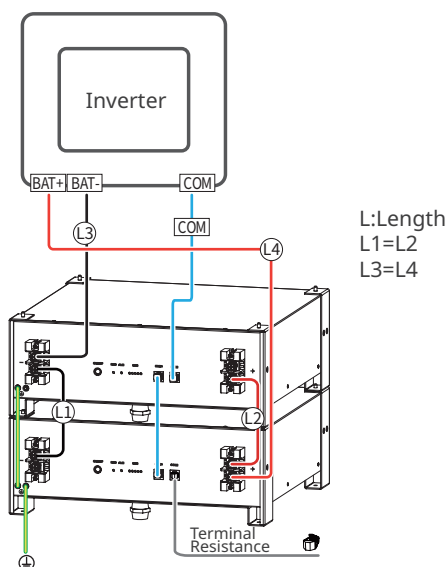


Battery System Installation | Instale o sistema de bateria | Sơ đồ nối dây cho các hệ thống pin | แผนผังการต่อสายไฟฟ้าสำหรับระบบแบตเตอรี่

Direct Connection Mode

Type	Type	Recommended Cross-sectional Area of Conductor
Power Cable	Copper-core cable	25 mm ²
PE Cable	Copper-core cable	4 - 6 mm ²
Communication Cable	Straight-through Ethernet Cable	-

Battery Quantity n	System Operation Current (A)	System Operation Power (kW)
n=1	60	3
n>1	120	6

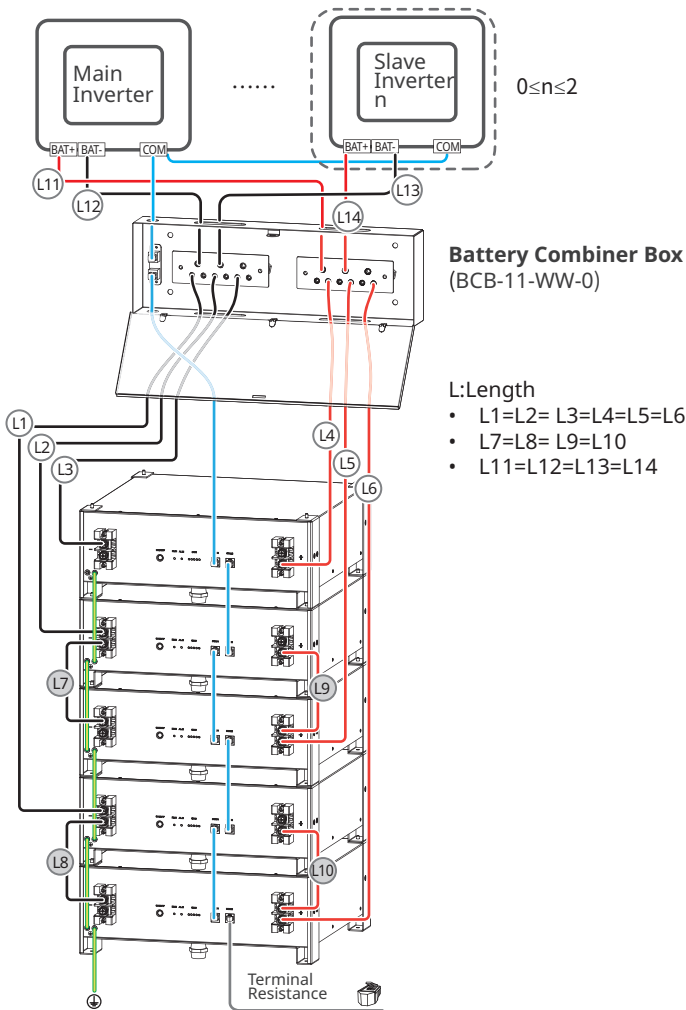


Battery Combiner Box Mode / DC Bus Mode

Cable	Type	Location	Normal Output Power of Inverter	Recomended Cross-sectional Area of Conductor
Power Cable	Copper-core cable	Between Inverter and Battery Combiner Box	3 kW - 6 kW	25 mm ² ^[1]
			8 kW - 12 kW	70 mm ² ^[1]
		Between Battery and Battery Combiner Box & Between Battery and Battery	-	25 mm ²
PE Cable	Copper-core cable	-		4 - 6 mm ²
Communication Cable	Straight-through Ethernet Cable ^[2]	-		-
[1]: The specification of cable should be decided by the normal charging and discharging current of inverters. [2]: If use non-GoodWe battery combiner box, please make the cable according to the guide of Chapter 6.5 of this manual.				

360 A Battery Combiner Box

Battery Quantity n	System Operation Current (A)	System Operation Power (kW)	Note
n<6	n*60	n*3	-
n≥6	360	18	Since the maximum bearable current of the battery combiner box is 360 A, please ensure that the total battery charging and discharging power by the inverter does not exceed 18 kW.

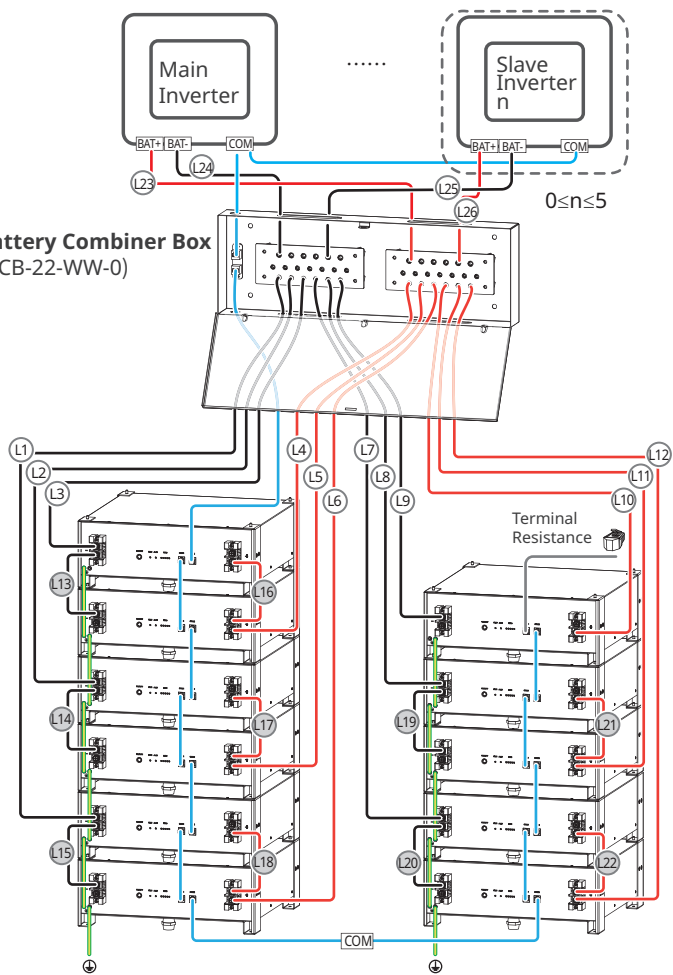


720 A Battery Combiner Box

Battery Quantity n	System Operation Current (A)	System Operation Power (kW)	Note
n<12	n*60	n*3	-
n≥12	720	36	Since the maximum bearable current of the battery combiner box is 720 A, please ensure that the total battery charging and discharging power by the inverter does not exceed 36 kW.

- L:Length
- L1=L2= L3 ... =L12
 - L13=L14= L15 ... =L22
 - L23=L24=L25=L26

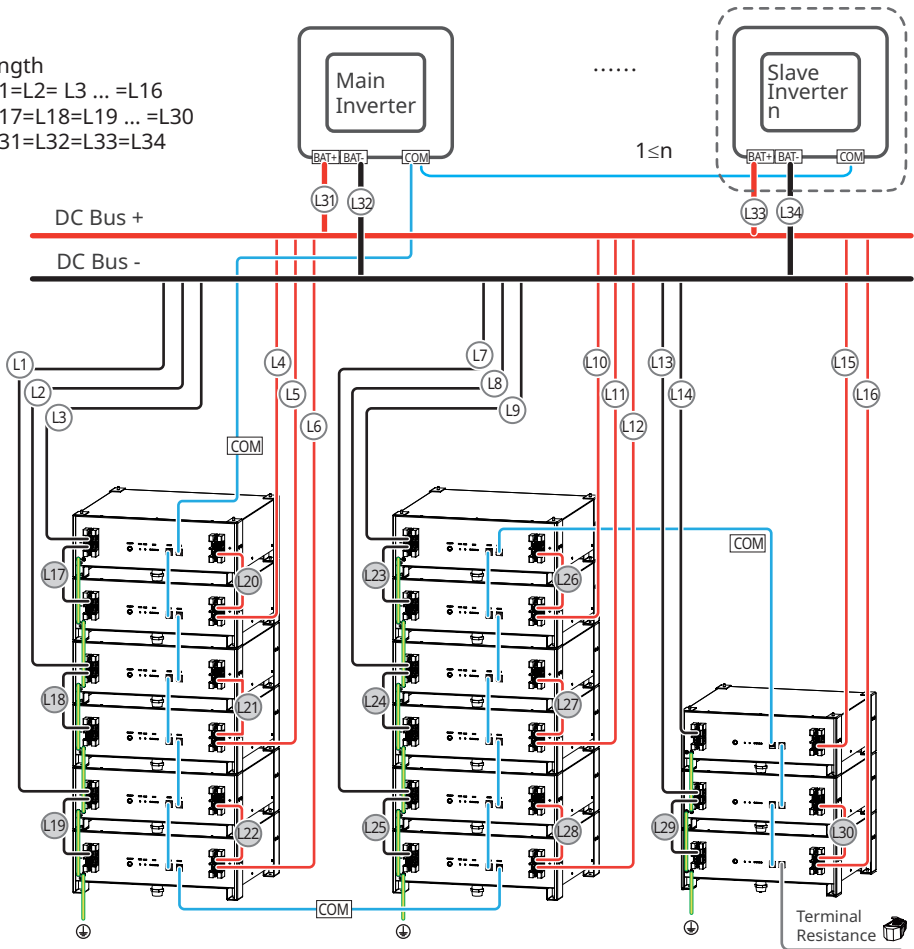
Battery Combiner Box (BCB-22-WW-0)

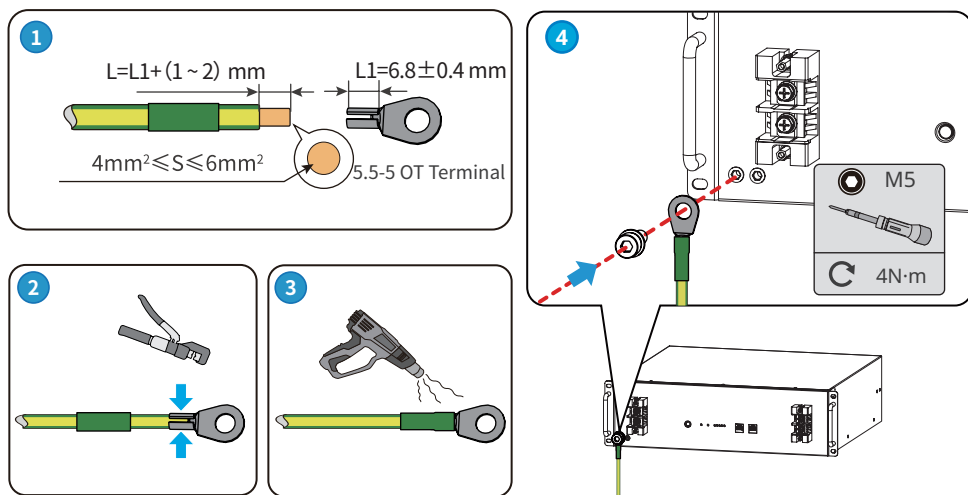


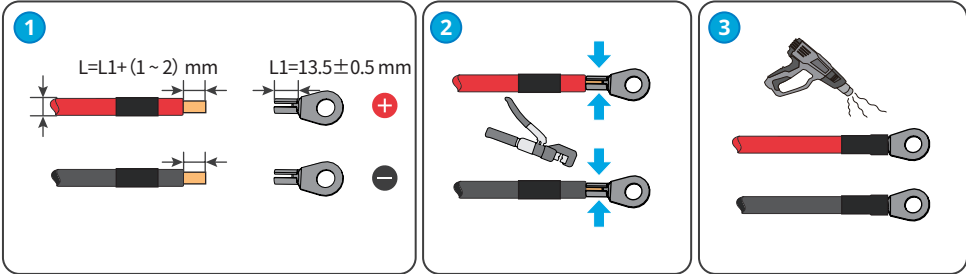
DC Bus

Battery Quantity n	System Operation Current (A)	System Operation Power (kW)
n	$n \times 60$	$n \times 3$

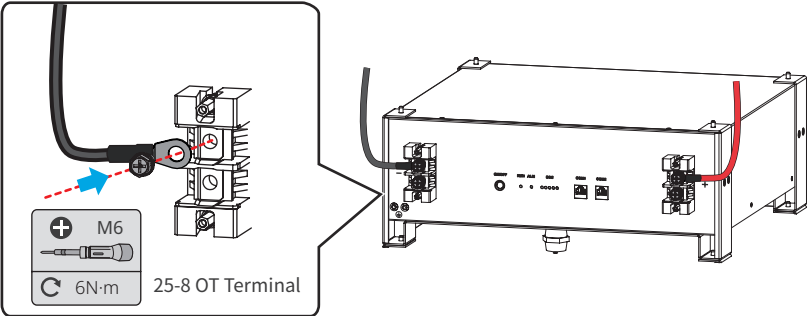
- L:Length
- $L1=L2=L3 \dots =L16$
 - $L17=L18=L19 \dots =L30$
 - $L31=L32=L33=L34$



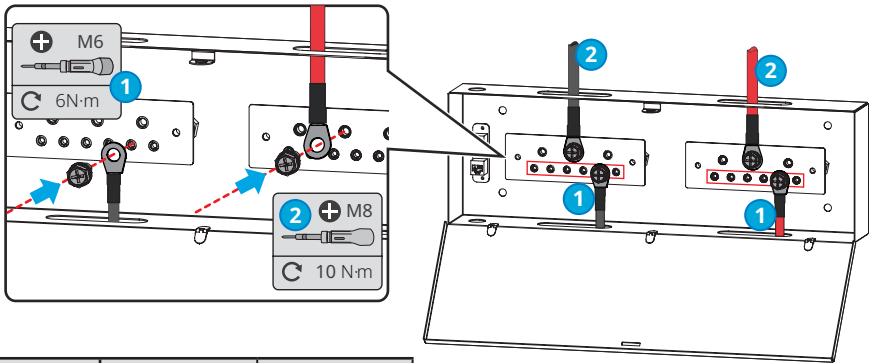




Connecting Cable of Batteriless Power Input & Output Ports



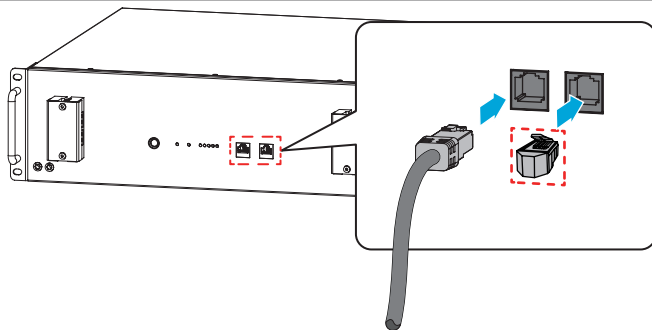
Connecting Cable between Battery Combiner Box and Inverter



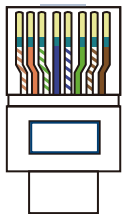
Connection Port	Rated Power of the inverter	OT Terminal Specification
Inverter Port	3 - 6kW	25-8
	8 - 12kW	70-10
Battery Port	-	25-8

Connecting Communication Cable | Conexão do cabo de comunicação

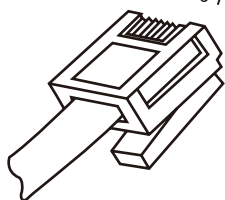
Kết nối Cáp Liên Lạc | การต่อสายสัญญาณสื่อสาร



1 2 3 4 5 6 7 8

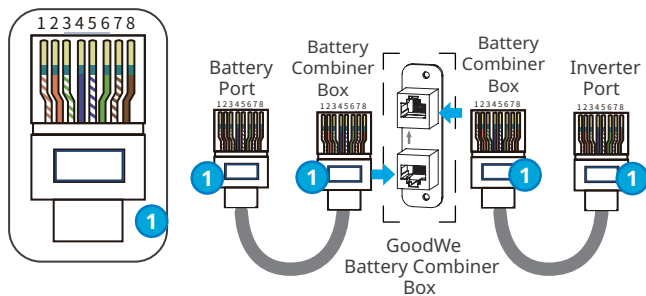


1 2 3 4 5 6 7 8

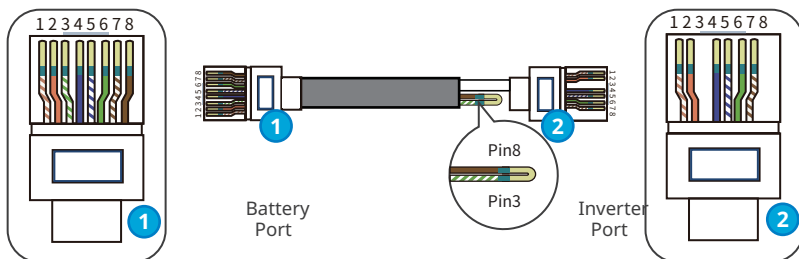


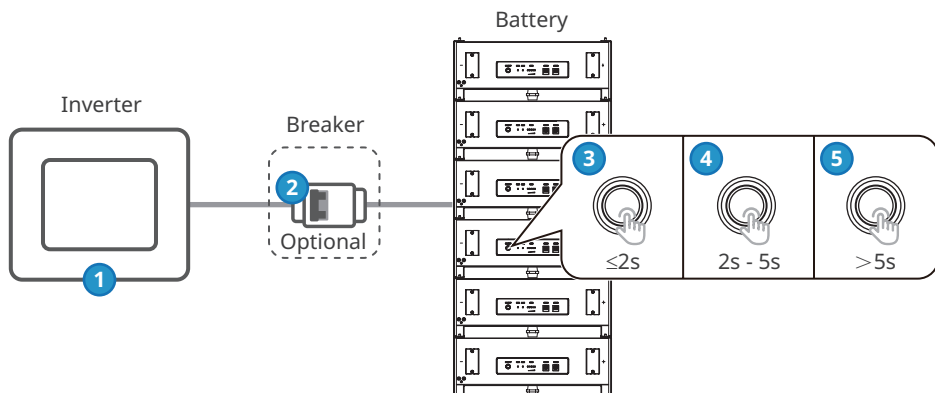
No.	Color	COM1&COM2
1	Orange and White	-
2	Orange	-
3	Green and White	Parallel OUT+
4	Blue	CAN H
5	Blue and White	CAN L
6	Green	-
7	Brown and White	-
8	Brown	Parallel OUT -

GoodWe Battery Combiner Box Mode



Non-GoodWe Battery Combiner Box Mode





Power ON 2 → 3 → 1

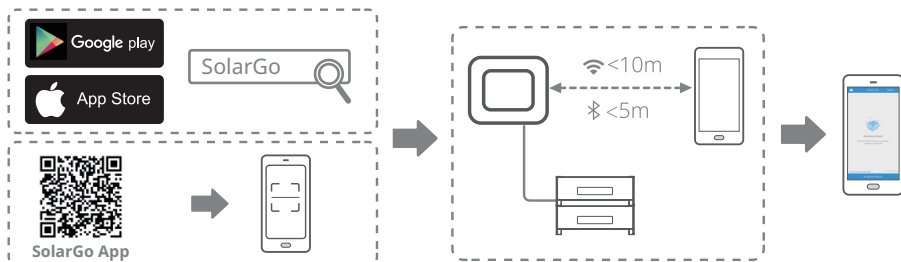
Black-start 2 → 3 → 4

Power OFF 1 → 5 → 2

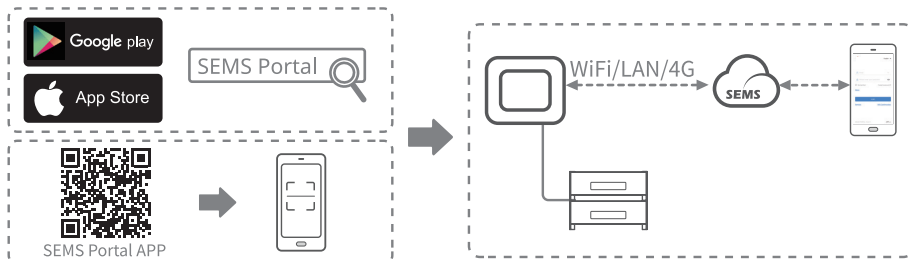
NOTICE

With multiple batteries in one system, all batteries can be turned on or off by pressing the power button of any one battery.

Commissioning via SolarGo APP | Comissionamento pelo aplicativo SolarGo | Vận hành thử qua Ứng dụng SolarGo | การเดินระบบผ่านแอป SolarGo



Commissioning via SEMS Portal | Comissionamento pelo SEMS Portal | Vận hành thử qua Cổng SEMS | การเดินระบบผ่านโซต SEMS



For more information, please scan the following QR for User Manual.





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