

GOODWE

BAT100 – 112KWh

GoodWe Distributor Launch



AGENDA

Product info

- Positioning
- Product overview
- Features

Market info

- Certification plan
- Price, Warranty and Logistic data

Launch plan

- Production and launch
- Promotional activities by GoodWe
- Marketing materials

Product Positioning

Product Highlights	Project Positioning	Models
➤ Supports a maximum of 4 parallel clusters ➤ Continuous 0.9C rate charge / 1.1C rate discharge ➤ Aerosol Fire Suppression: ❖ Cabinet Level ❖ Pack Level ➤ Air conditioning/ Heating system integrated ➤ High cycle times 6000 ➤ Supports maximum one-year maintenance-free storage ➤ C4 Anticorrosion (C5-M optional) ➤ CAN Communication between battery and Inverter ➤ IP55 protection rating	Target projects: ➤ Medium & Large sized industrial and commercial storage ➤ Supports high-rate charging and discharging battery system	Product Model : ➤ BAH112K-06-00P ➤ BAH112K-04-00P

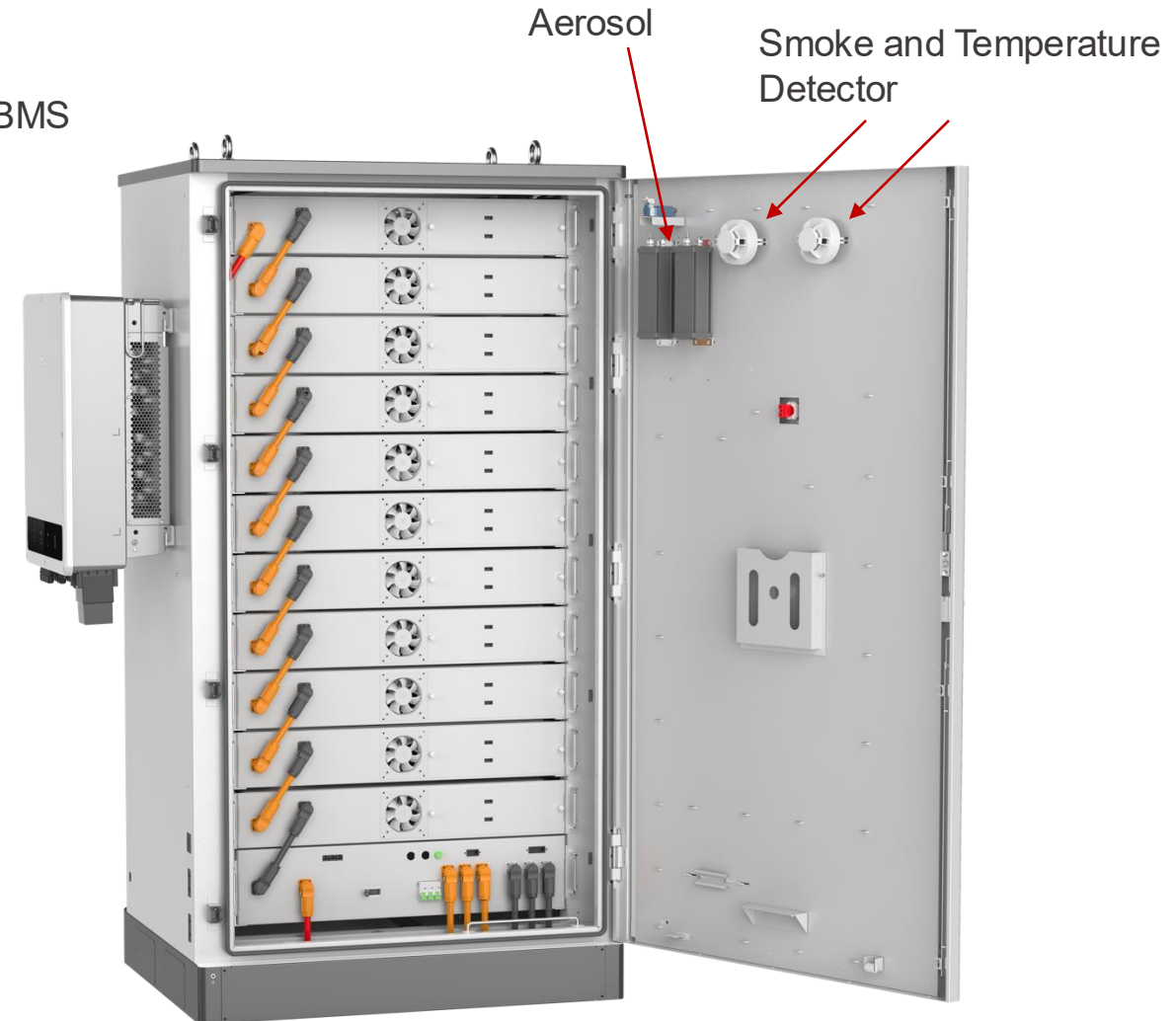
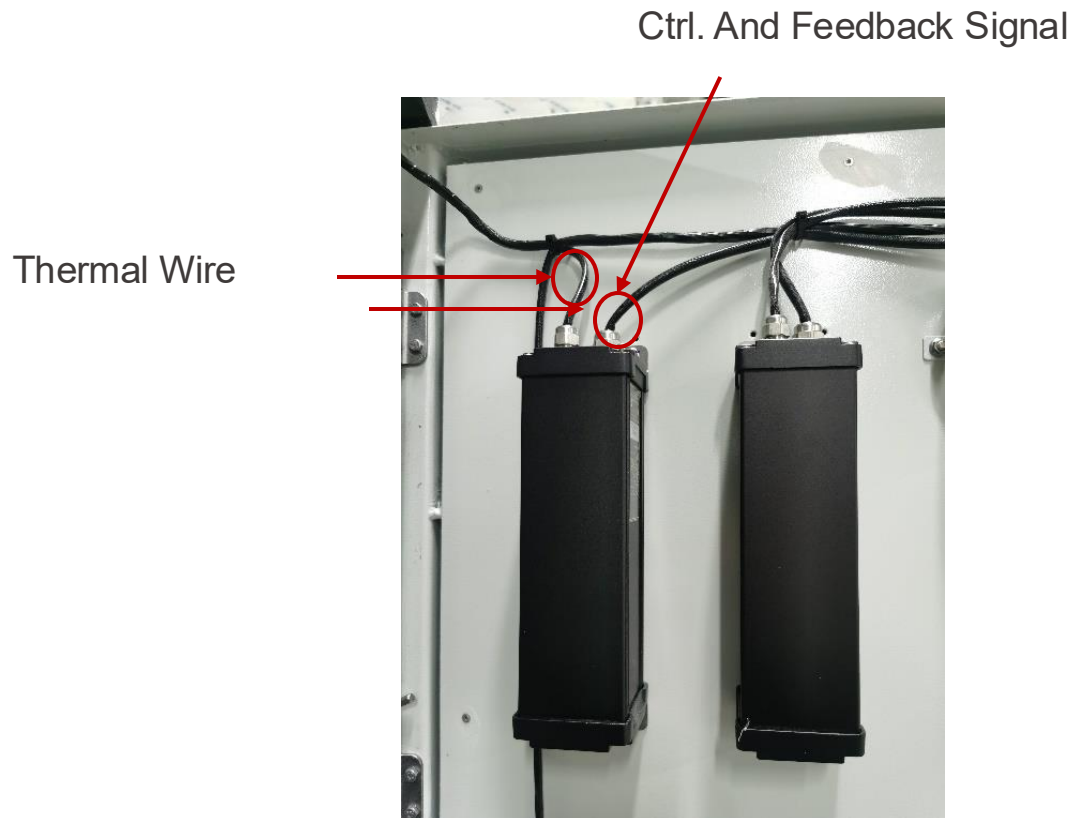
BAT 100: GW112.6-BAT

- Capacities Available:
 - 112.6 KWh
- Max. Charge/Discharge Current: 180/220 A
- C-rate: 0.9 Charge/ 1.1 Discharge
- Life Cycle: 6000 (90% DOD, 70% EOL)
- Warranty:
 - 5 years product warranty
 - 10 years performance warranty
- IP55
- Supports 1 year maintenance-free storage
- Battery Paralleling, up to 4:
- Inverters compatibility:
 - ET 40/50
 - ET 29.9 (June): Supports 1 BAT100 Only
 - ET 100 (Q4)



BAT 100: Fire Supression Systems

- Double Trigger Mechanism for Aerosol ejection:
 - Thermistor Wire ($>200^{\circ}\text{C}$)
 - Electric Signal from Smoke and temperature detectors into BMS

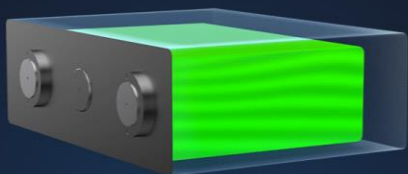


BAT 100: Thermal Management Strategies

- Cooling:
 - Maximum battery cell temperature $> 38^{\circ}\text{C}$, the aircon start cooling. When the maximum battery cell temperature $< 30^{\circ}\text{C}$, the aircon switches off.
- Heating:
 - Minimum battery cell temperature $< 7^{\circ}\text{C}$, the aircon start heating. When minimum battery cell temperature $> 12^{\circ}\text{C}$, the aircon switches off.
- If humidity $> 80\%$, the aircon start dehumidification mode . And when aircon is triggered on (cooling/heating) or the humidity $< 70\%$, the aircon switch off dehumidification mode.

Built from the Inside Out: Layered for Reliability

Cell-level Protection



 Top-brand LiFeO4 battery cell

Electrical Protection



-  Short-circuit protection
-  Over-current protection
-  Insulation Monitoring
-  Lightning protection

Structural Protection



-  C5 protection
-  IP55 protection

From Detection to Protection: Total System Safety

Monitoring-level protection



⚙️ BMS compliant with ISO 13849 functional safety

📊 Real-time battery health tracking (August with Sems+)

🧠 AI-driven health diagnosis (August with Sems+)

System-level protection



⌚ Real-time interaction

⊕ Charge & discharge protection

Emergency Protection

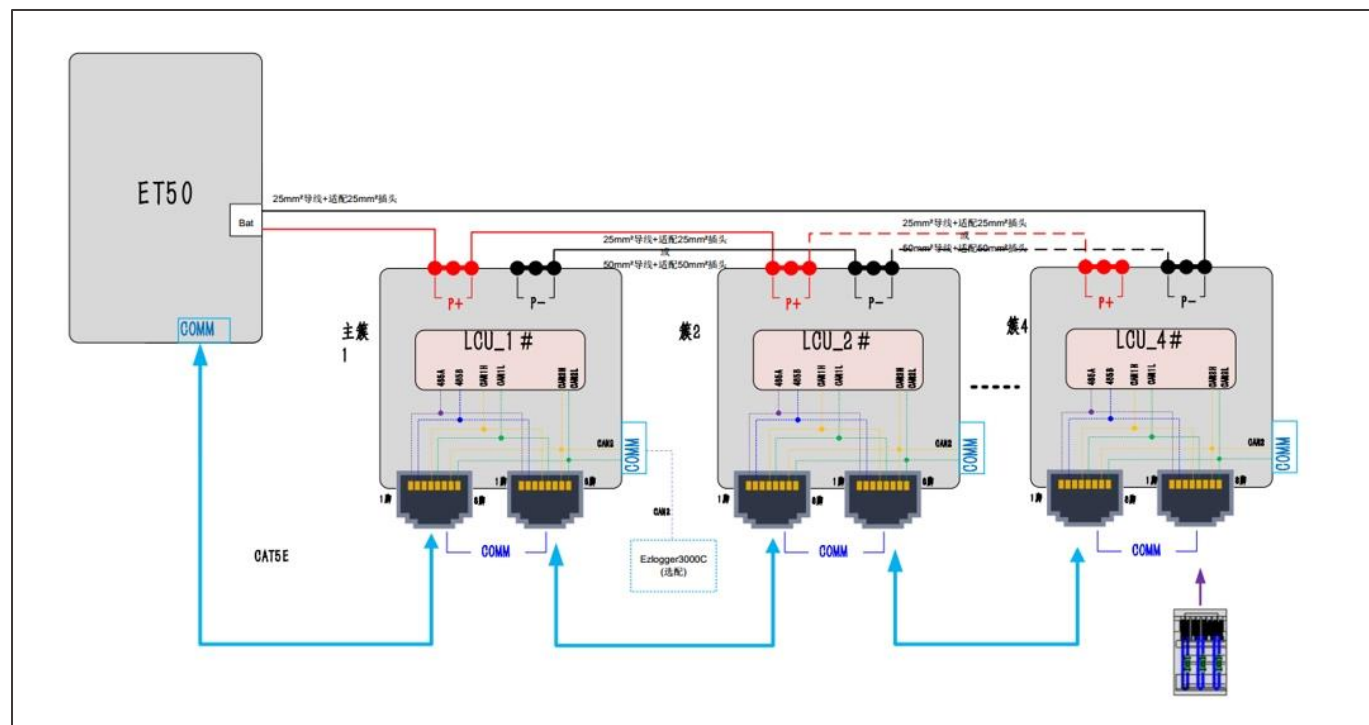


🔧 Integrated pressure relieve valve

📁 Pack & cabinet level aerosol-based fire extinguishing

Inverters Compatibility (1)

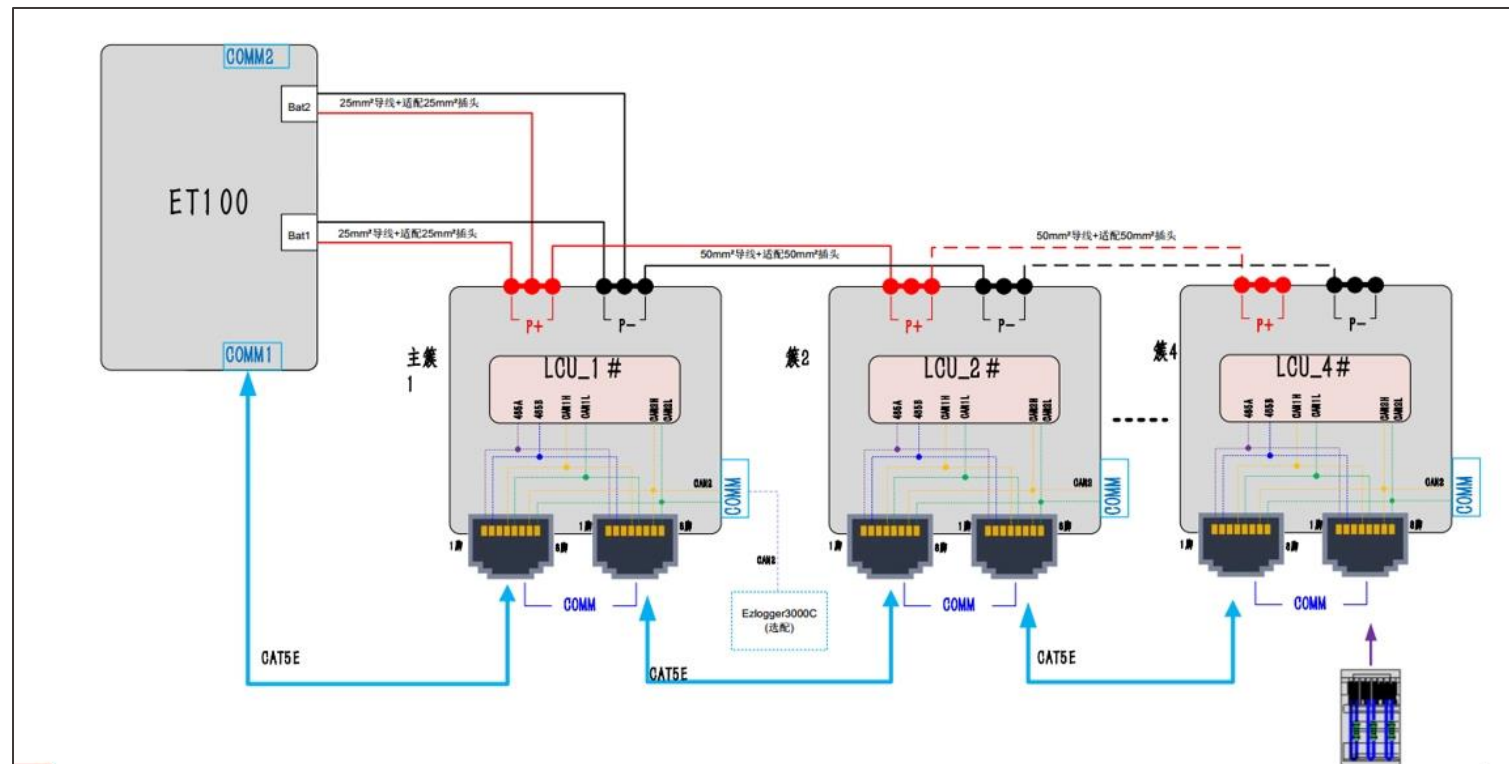
Series	Timeline
ET-29.9 (only 1 BAT100 supported)	June 2025
ET- 40/50	May 2025
ET- 80/100	Sep. 2025



Maximum support 4 batteries parallel

Inverters Compatibility (2)

Series	Timeline
ET-29.9 (only 1 BAT100 supported)	June 2025
ET- 40/50	May 2025
ET- 80/100	Sep. 2025



Maximum support 4 batteries parallel

Solutions Configurations

Accessories	Inverters Configurations	Maximum Configuration Capacity
EzLink 3000	Max 4 parallel ET50, ET100	1,8 MWh
EzLink 3000	Max 4 parallel ET29.9	450KWh
SEC3000C	Max 10 parallel ET50, ET100	4,5 MWh

Flexible and scalable paralleling solution (1)



29.9 kW Hybrid inverter



With Ezlink 3000:

- Parallel connection of up to 4 inverters, enabling further system expansions
- Largest configuration: 120kW/ 450KWh

Flexible and scalable paralleling solution (2)



40/50 kW Hybrid inverter

ET50 Series



System extension, max 4 batteries (450 kWh)



With Ezlink 3000:

- **Parallel connection of up to 4 inverters, enabling further system expansions**
- **Largest configuration: 200kW/ 1.8 MWh**

Flexible and scalable paralleling solution (3)



40/50 kW Hybrid inverter

ET50 Series



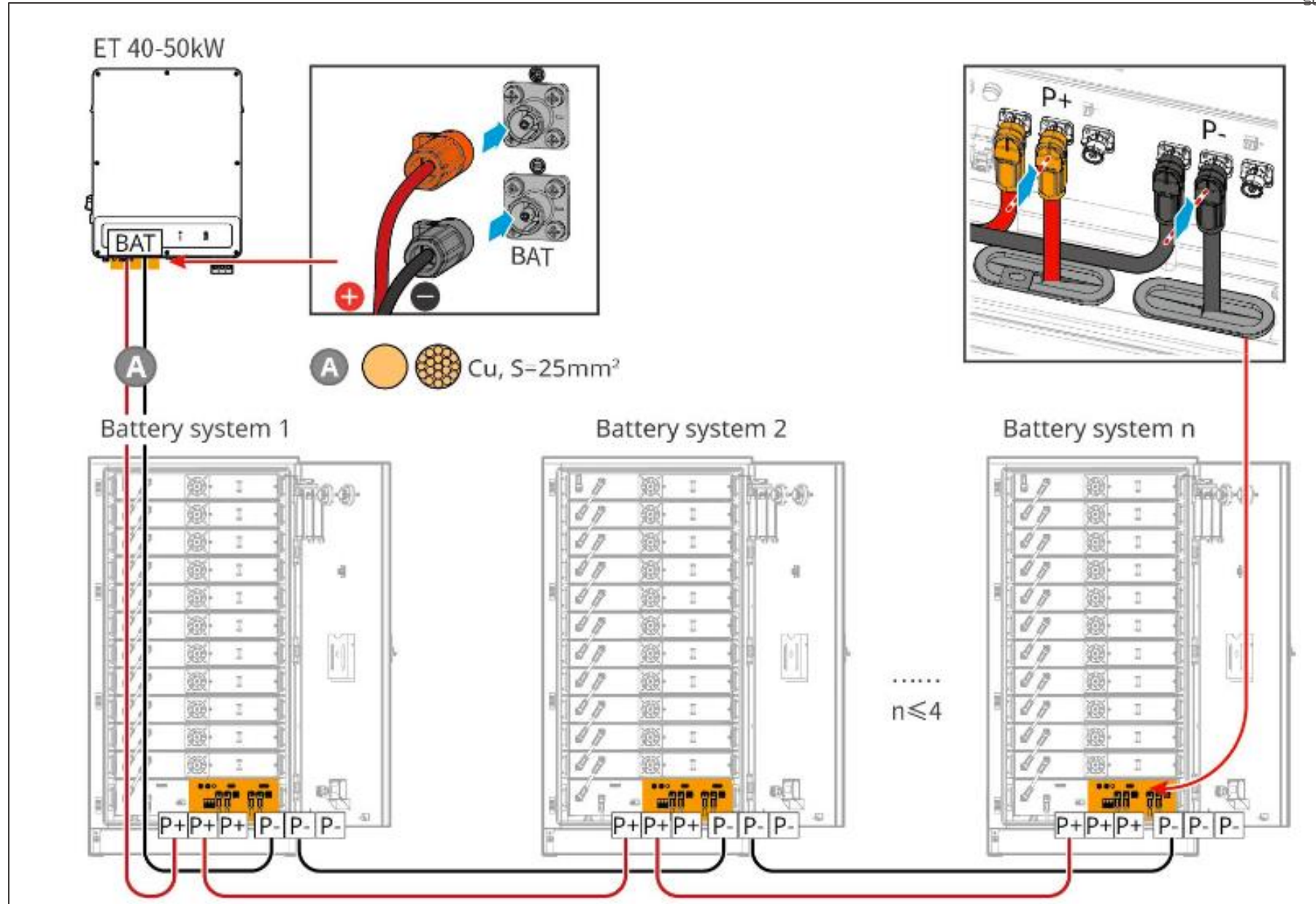
System extension, max 4 batteries (450 kWh)



With SEC 3000C:

- Parallel connection of up to 10 inverters, enabling further system expansions
- Largest configuration: 500kW/ 4.5 MWh

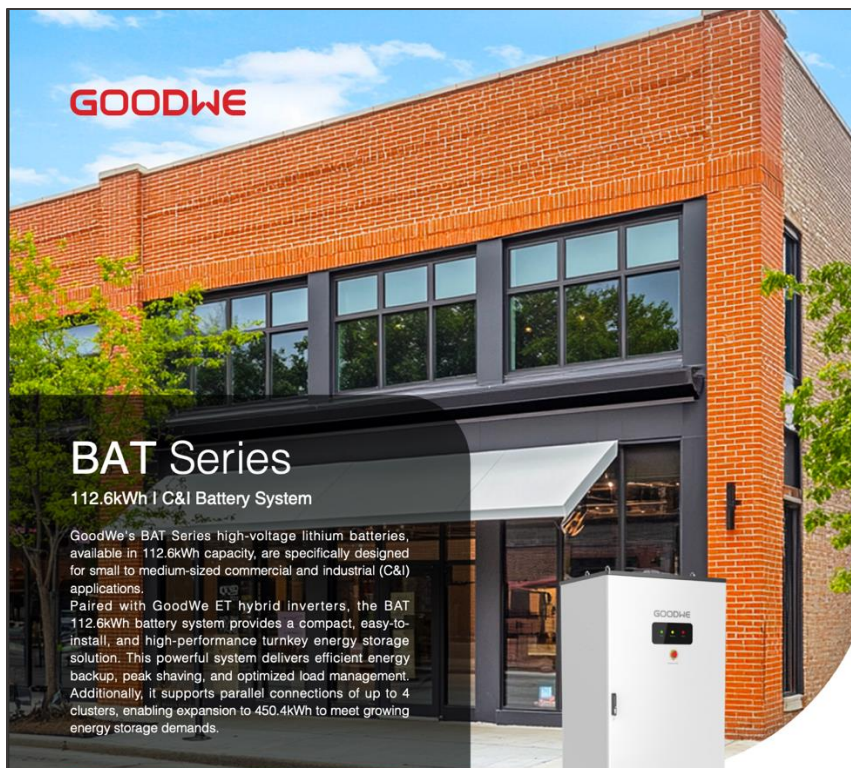
Battery Expandability through daisy chaining



Certification Plan

Country	Standard	Certification Plan
EU	IEC 62619, IEC 63056, IEC 62477, EU Regulation	Done
Germany	VDE 2510, ISO 13849	15/6/2025
Italy	CEI0-21, CEI0-16	Done

Datasheets



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BAT Series

112.6kWh | C&I Battery System

GoodWe's BAT Series high-voltage lithium batteries, available in 112.6kWh capacity, are specifically designed for small to medium-sized commercial and industrial (C&I) applications. Paired with GoodWe ET hybrid inverters, the BAT 112.6kWh battery system provides a compact, easy-to-install, and high-performance turnkey energy storage solution. This powerful system delivers efficient energy backup, peak shaving, and optimized load management. Additionally, it supports parallel connections of up to 4 clusters, enabling expansion to 450.4kWh to meet growing energy storage demands.



Flexible & Adaptable Applications

- 0.9C/1.1C rated battery @Max. Charge/Discharge
- Support parallel connection for easy system expansion



Superb Safety & Reliability

- Reliable LFP technology with high cycle stability
- Aerosol-based fire suppression system
- Long cycle life, >6000 times



Friendly & Thoughtful Design

- Highly integrated cabinet for easy transportation and installation
- Modular design for easier O&M



Smart Control & Monitoring

- Remote monitoring & updates
- Smart energy management system

BAT Series

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Technical Data	GW112.6-BAT-AC-G10
Battery System	
Cell Type	LFP (LiFePO4)
Cell Capacity (Ah)	100
Rated Capacity (Ah)	200
Pack Type / model	GW10.2-PACK-ACI-G10
Pack Nominal Energy (kWh)	10.24
Pack Configuration	2P176S
Pack Weight (kg)	<90
Number of Packs	11
Nominal Energy (kWh)	112.6
Usable Energy (kWh) ¹	110
Nominal Voltage (V)	563.2
Operating Voltage Range (V)	505.12 ~ 635.36
Charging Operating Temperature Range (°C)	-20 ~ +55
Discharging Operating Temperature Range (°C)	-20 ~ +55
Max. Charge / Discharge Current (A) ²	180 / 220
Max. Charge / Discharge Rate ²	0.9C / 1.1C
Max. Charge / Discharge Power (kW) ²	101.3 / 123.9
Cycle Life	6000 (25 ± 2°C, 0.5C, 90%DOD, 70%EOL)
Depth of Discharge	100%
Efficiency	
Round-trip Efficiency	96%@100%DOD, 0.2C, 25 ± 2°C
General Data	
Operating Temperature Range (°C)	-20 ~ +55
Storage Temperature (°C)	+35 ~ +45 (<6 Months); -20 ~ +35 (<1 Year)
Relative Humidity	0 ~ 100% (Condensationless)
Max. Operating Altitude (m)	4000
Cooling Method	Air Conditioner
User Interface	LED
Communication	CAN (RS485 Optional)
Weight (kg)	<1400
Dimension (W × H × D mm)	1055 × 2000 × 1055
Ingress Protection Rating	IP55
Anti-corrosion Class	C4 (C5-M Optional)
Fire Safety Equipment ³	Aerosol (Pack & Cabinet Level)
Certification⁴	
Safety Regulation	IEC62619 / IEC63056 / IEC60730 / IEC62477 / VDE2510 / ISO13849 IEC62040 / N140 / EU 2023 / 1542 / UN38.3
EMC	IEC / EN61000-6-1 / 2 / 3 / 4

¹1: Test conditions, 100% DOD, 0.2C charge & discharge at +25 ± 2°C for battery system at beginning life. System Usable Energy may vary with system configuration.
²2: Actual Dis / Charge Current and power derating will occur related to Cell Temperature and SOC. And, Max C-rate continuous time is affected by SOC, Cell Temperature, Atmosphere environment temperature.
³3: Aerosol (Cabinet Level) before May 30th, Aerosol (Pack & Cabinet Level) after May 30th.
⁴4: Not all certifications & standards listed, check the official website for detail.
 *: Please visit GoodWe website for the latest certificates.

www.goodwe.com

Installation Manual & Quick Installation Guide (BAT100)

GOODWE

V1.0-2024-02-14

BAT Series

Rechargeable Li-ion Battery System

(GW102.4-BAT-AC-G10 | GW112.6-BAT-AC-G10)

Quick Installation Guide

快速安装指导

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CS-Czech

- Informace v tomto stručném průvodci instalací se mohou změnit v důsledku aktualizací výrobku nebo jiných důvodů. Pokud není uvedeno jinak, nemůže tento návod nahradit štítky na výrobku ani bezpečnostní opatření v uživatelské příručce. Všechny uvedené popisy slouží pouze pro orientaci.
- Všechny činnosti musí provádět proškolení a kvalifikovaní technici, kteří jsou obeznámeni s místními normami a bezpečnostními předpisy.
- Důležité dodržujte pokyny k instalaci, provozu a konfiguraci uvedené v tomto průvodci a uživatelské příručce. Výrobce nese odpovědnost za poškození zařízení ani zranění osob v případě nedodržení pokynů.

DE-German

- Die Informationen in dieser Kurzanleitung zur Installation können aufgrund von Produktupdates oder aus anderen Gründen geändert werden. Diese Anleitung kann die Beschriftungen auf den Produkten oder die im Handbuch beschriebenen Sicherheitsvorkehrungen nicht ersetzen, sofern keine anderen Angaben gemacht werden. Alle Beschreibungen dienen nur zur Orientierung.
- Alle Arbeiten sollten von geschulten und sachkundigen Technikern durchgeführt werden, die mit den örtlichen Normen und Sicherheitsvorschriften vertraut sind.
- Halten Sie sich genau an die Anweisungen zur Installation, zum Betrieb und zur Konfiguration in dieser Anleitung und im Betriebshandbuch. Der Hersteller haftet nicht für Geräte- oder Personenschäden aufgrund von Nichtbeachtung von Anweisungen.

EN-English

- The information in this quick installation 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 here are for guidance only.
- All operations should be performed by trained and knowledgeable technicians who are familiar with local standards and safety regulations.
- Strictly follow the installation, operation, and configuration instructions in this guide and user manual. The manufacturer shall not be liable for equipment damage or personal injury if you do not follow the instructions.

ES-Spanish

- La información contenida en la presente guía de instalación rápida puede cambiar debido a actualizaciones del producto u otros motivos. Esta guía no puede sustituir a las etiquetas del producto ni a las precauciones de seguridad del manual del usuario, a no ser que se especifique otra cosa. Todas las descripciones aquí realizadas tienen únicamente fines de guía.
- Todas las operaciones deben ser llevadas a cabo por técnicos formados y con conocimientos que estén familiarizados con los estándares y normas de seguridad locales.
- Siga con exactitud las instrucciones de instalación, uso y configuración de este guía y este manual del usuario. El fabricante no será responsable de los daños del equipo o las lesiones si no sigue las instrucciones.

FR-French

- Les informations contenues dans ce guide d'installation rapide sont susceptibles d'être modifiées en raison de mises à jour du produit ou pour d'autres raisons. Ce guide ne peut pas remplacer les étiquettes des produits ou les consignes de sécurité figurant dans le mode d'emploi, sauf spécification contraire. Toutes les descriptions ne sont données ici qu'à titre indicatif.
- Toutes les opérations doivent être effectuées par des techniciens formés et compétents qui connaissent les normes et les règles de sécurité locales.
- Suivez scrupuleusement les instructions d'installation, d'utilisation et de configuration de ce guide et du mode d'emploi. Le fabricant ne pourra être tenu pour responsable en cas de dommages à l'équipement ou de blessures si vous ne respectez pas les consignes.

HU-Hungarian

- A jelen rövid telepítési útmutatóban szereplő információk a termékfrissítések miatt vagy más okokból módosulhatnak. Ez az útmutató nem helyettesítheti a termék címkéket vagy a felhasználói kézikönyvben található biztonsági óvintézkedéseket, hacsak nincs másképp meghatározva. Az itt szereplő összes leírás csak útmutatásul szolgál.
- Az összes műveletet kizárólag megfelelő tudással és képzettséggel rendelkező, a helyi szabványokat és biztonsági előírásokat ismerő technikusoknak szabad elvégezniük.
- Szigorúan tartsa be a jelen útmutatóban és a felhasználói kézikönyvben található telepítési, használati és konfigurálási utasításokat. A gyártó nem vállal felelősséget az anyagi károktól és a személyi sérülésektől, ha Ön nem tartja be az utasításokat.

IT-Italian

- Le informazioni contenute in questa guida all'installazione rapida sono soggette a modifiche a causa di aggiornamenti del prodotto o per altri motivi. Salvo diversamente specificato, questa guida non sostituisce le etichette dei prodotti o le precauzioni di sicurezza descritte nel manuale d'uso. Tutte le descrizioni qui riportate sono a titolo indicativo.
- Tutte le operazioni devono essere eseguite da tecnici addestrati e competenti che conoscano gli standard locali e le norme di sicurezza.
- Seguire scrupolosamente le istruzioni per l'installazione, il funzionamento e la configurazione contenute in questa guida e nel manuale d'uso. Il produttore non è responsabile di danni all'apparecchiatura o di lesioni personali se non si seguono le istruzioni.

NL-Dutch

- De informatie in deze beknopte handleiding is onderhevig aan wijzigingen, vanwege productupdates of andere redenen. Deze handleiding is geen vervanging van de productlabels of de veiligheidsmaatregelen in de gebruikershandleiding, tenzij anders vermeld. Alle omschrijvingen hier dienen enkel als leidraad.
- Alle handelingen moeten worden uitgevoerd door opgeleide en deskundige technici die de lokale normen en veiligheidsreggeving kennen.
- Volg strikt de installatie-, gebruiks- en configuratie-instructies in deze handleiding en het gebruikershandleboek. De fabrikant is niet aansprakelijk voor beschadiging van apparatuur of persoonlijk letsel als u de instructies niet volgt.

PL-Polish

- Informacje zawarte w niniejszej skróconej instrukcji instalacji mogą ulec zmianie ze względu na aktualizacje produktu lub z innych powodów. Ten przewodnik nie może zastąpić etykiet produktu ani środków ostrożności zawartych w instrukcji obsługi, chyba że określono inaczej. Wszystkie zamieszczone tu opisy mają charakter wyłącznie orientacyjny.
- Wszystkie prace powinny być wykonywane przez przeszkolonych i kompetentnych techników, którzy znają lokalne standardy i przepisy bezpieczeństwa.
- Należy ściśle przestrzegać instrukcji instalacji, obsługi i konfiguracji podanych w niniejszym dokumencie. Producent nie ponosi odpowiedzialności za uszkodzenia urządzeń ani za obrażenia osób będące skutkiem zlekceważenia instrukcji.

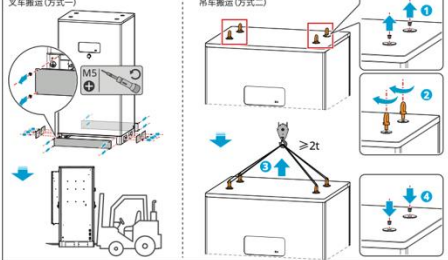
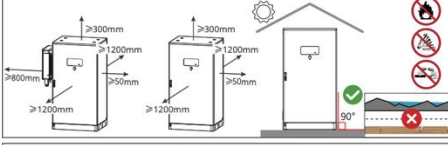
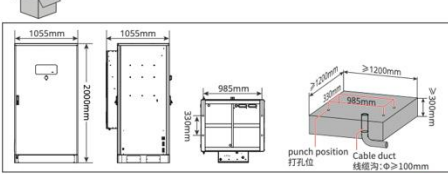
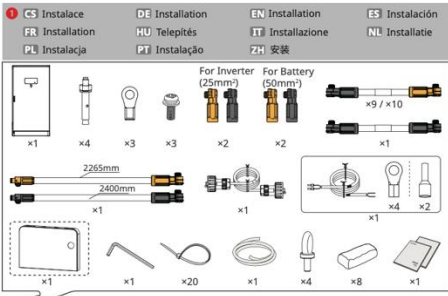
PT-Portuguese

- As informações apresentadas neste guia de instalação rápida estão sujeitas a alterações devido a atualizações do produto ou por outras razões. Este guia não substitui as etiquetas do produto nem as precauções de segurança no manual do utilizador, salvo indicação em contrário. Todas as descrições aqui fornecidas são meramente orientativas.
- Todas as operações devem ser realizadas por técnicos com formação e conhecimentos necessários e que estejam familiarizados com os regulamentos de segurança e as normas locais.
- Siga rigorosamente as instruções de instalação, operação e configuração neste guia e manual do utilizador. O fabricante não se responsabiliza por danos no equipamento ou ferimentos se as instruções não forem seguidas.

ZH-中文

- 因产品版本升级或其他原因, 本手册内容会不定期进行更新, 如无特殊约定, 本手册不可取代产品标签或用户手册, 本手册中的所有描述仅作为使用指导。
- 设备的所有操作必须由专业、合格的电气技术人员进行, 技术人员需熟知项目所在地相关标准及安全规范。
- 未按照本手册或对应用户手册要求安装、使用、配置逆变器造成的设备损坏或人员伤亡, 不在设备厂商责任范围之内。

Procedure



Delivery time, production time, pricing details and warranty

Production time: **5 to 6 Weeks**

Shipment to Europe: **8 Weeks**

Pricing: Refer to latest price list

Warranty:

- 5 years product warranty
- 10 years performance warranty
- Terms available on **emea.goodwe.com/warranty**

Logistic data

	Series	N.W.(KG S)	G.W(K G)	Carton Length(mm)	Carton Width(mm)	Carton Height(m m)	Pallet Length(mm)	Pallet Width(mm)	Pallet Height(mm)	Packagin g Weight	Layer for each Pallet	Qty for each Layer	Qty for each Pallet (unit)	G.W for each Pallet(KG)	N.W for each Pallet(KG)	Volume for each Pallet(m³)	Qty for 20GP	Qty for 40GP	Each Pallet dimension with inverter	KG) Paper packaging	EPE (KG)
BAH112K-06-00P	BAT	1400	1475	1150	1115	2160	1150	1115	133	75	1	1	1	1475	1400	2,76966	10	18	1150*1115*2160 mm	0	5
BAH112K-04-00P	BAT	1400	1475	1150	1115	2160	1150	1115	133	75	1	1	1	1475	1400	2,76966	10	18	1150*1115*2160 mm	0	5

Item Number

No	P/N	Notes
1	BAH112K-06-00P	C4 both with cabinet and pack level fire protection
2	BAH112K-04-00P	C5 both with cabinet and pack level fire protection

Timeline and production outlook

- GoodWe is open for distributor orders
- Installer launch June 2025
- Marketing communication under preparation country by country

Promotional activities

Promotional activities GW	
European launch PR	July 2025
GoodWe Newsletter	July 2025
GW+ Training	Training platform updates 3Q25
Campaigns	SEA, Social media, Trade media (key markets 3Q25)

Events 1H2025	
Intersolar, Germany	07.05 – 09.05

Marketing materials

Marketing materials	
Flyer / datasheet	In progress (EN, DE, IT,)
Product images	Available
GW product website	Available by 1st of July 2025 (EN, DE, IT)
Banners / visuals package	July 2025
Product installation video	Available

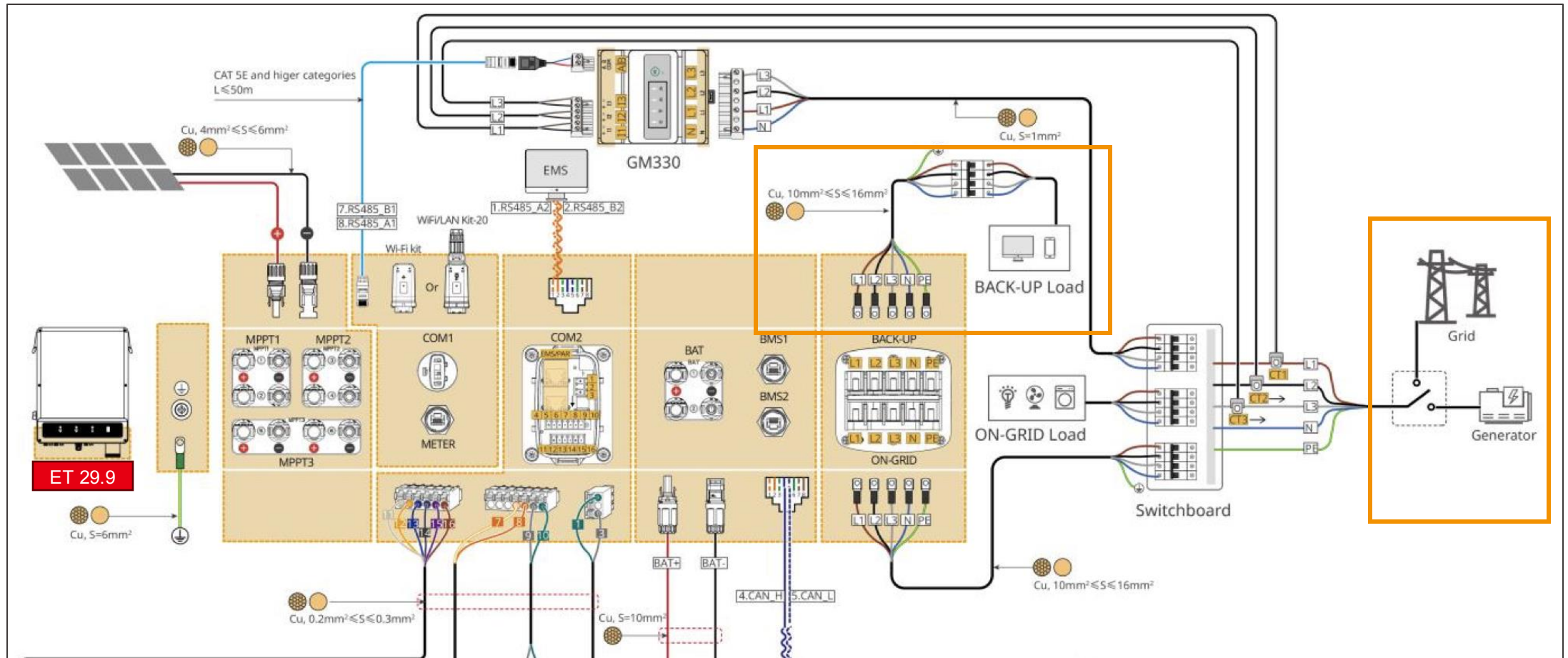
GOODWE

BAT100 - Solutions Configurations

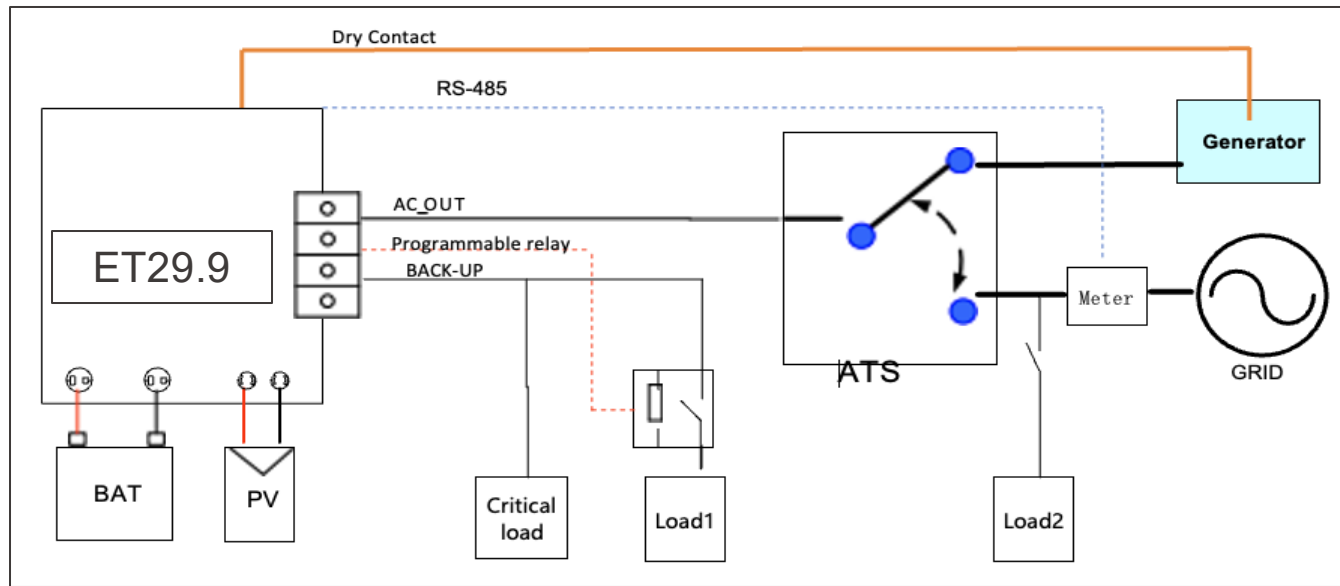
GoodWe Distributor Launch

GOODWE's Solutions: ET 29.9 + BAT100

- Full Off-grid working mode supported
- NO OFF-GRID ET's PARALLELING
- Supporting GENSET control through external ATS
- Back-up loads connection integrated into the ET 29.9
- Dispatchable loads control (relay) integrated into the ET 29.9



GOODWE's Solutions for Microgrids: ET 29.9 + BAT100



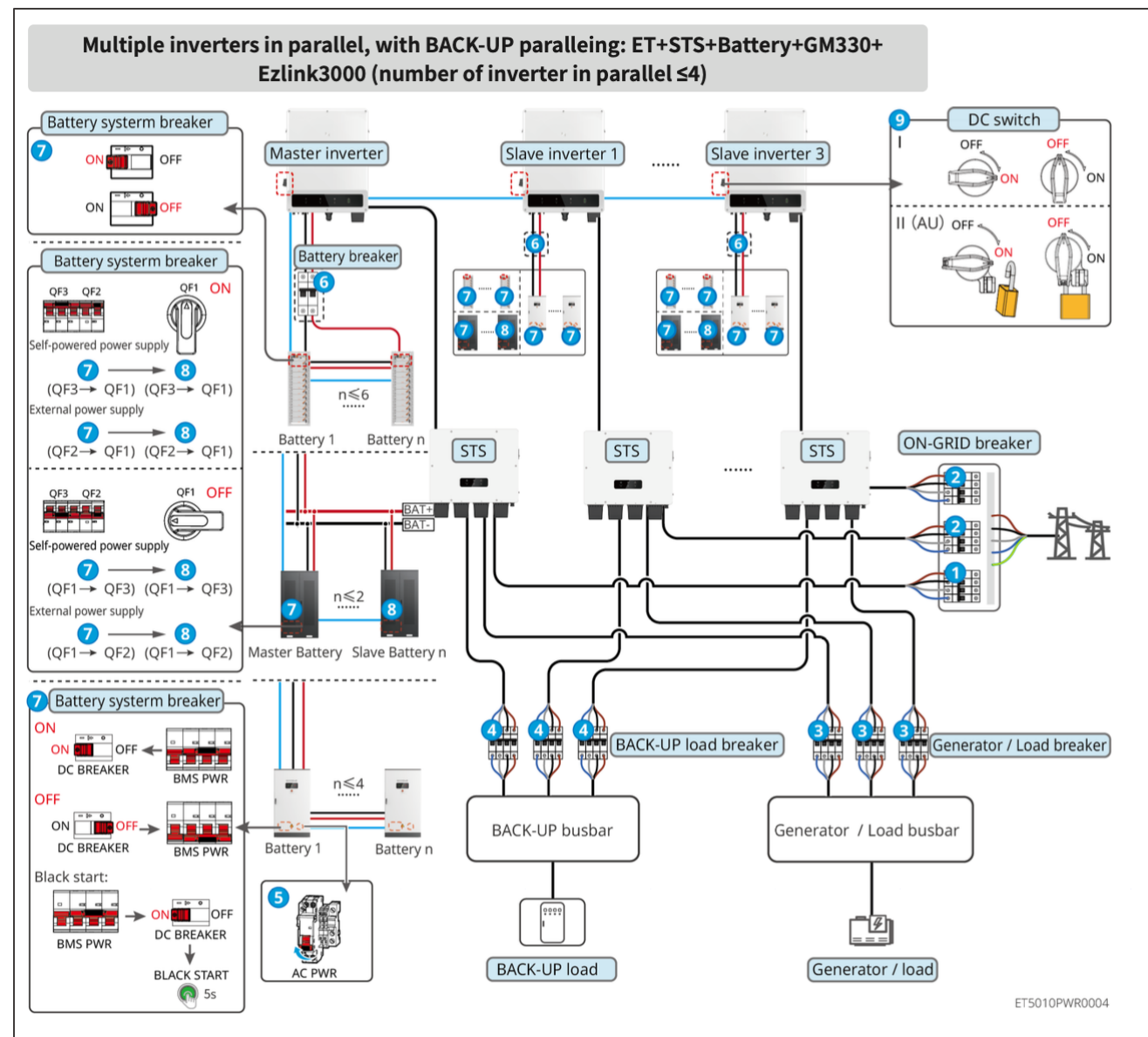
1. On-grid working mode
2. Grid failure → Off-grid Transition
 - i. ATS switches to off mode
 - ii. Only Critical loads and Dispatchable loads powered (Based on SOC Level)
 - iii. When battery SOC < X Value (SolarGo) → Genset ON through dry-contact:
 - Supply loads
 - Charge batteries
 - iv. When SOC > Y Value (SolarGO) → Genset Off through dry-contact
 - v. Grid Resumed → ATS ON(automatically)
3. ET switches ON-grid mode.

**External ATS (Automatic Transfer Switch) Needed
(NOT SUPPLIED by GW)**

GOODWE's Solutions : ET 40/50 + BAT100 + STS

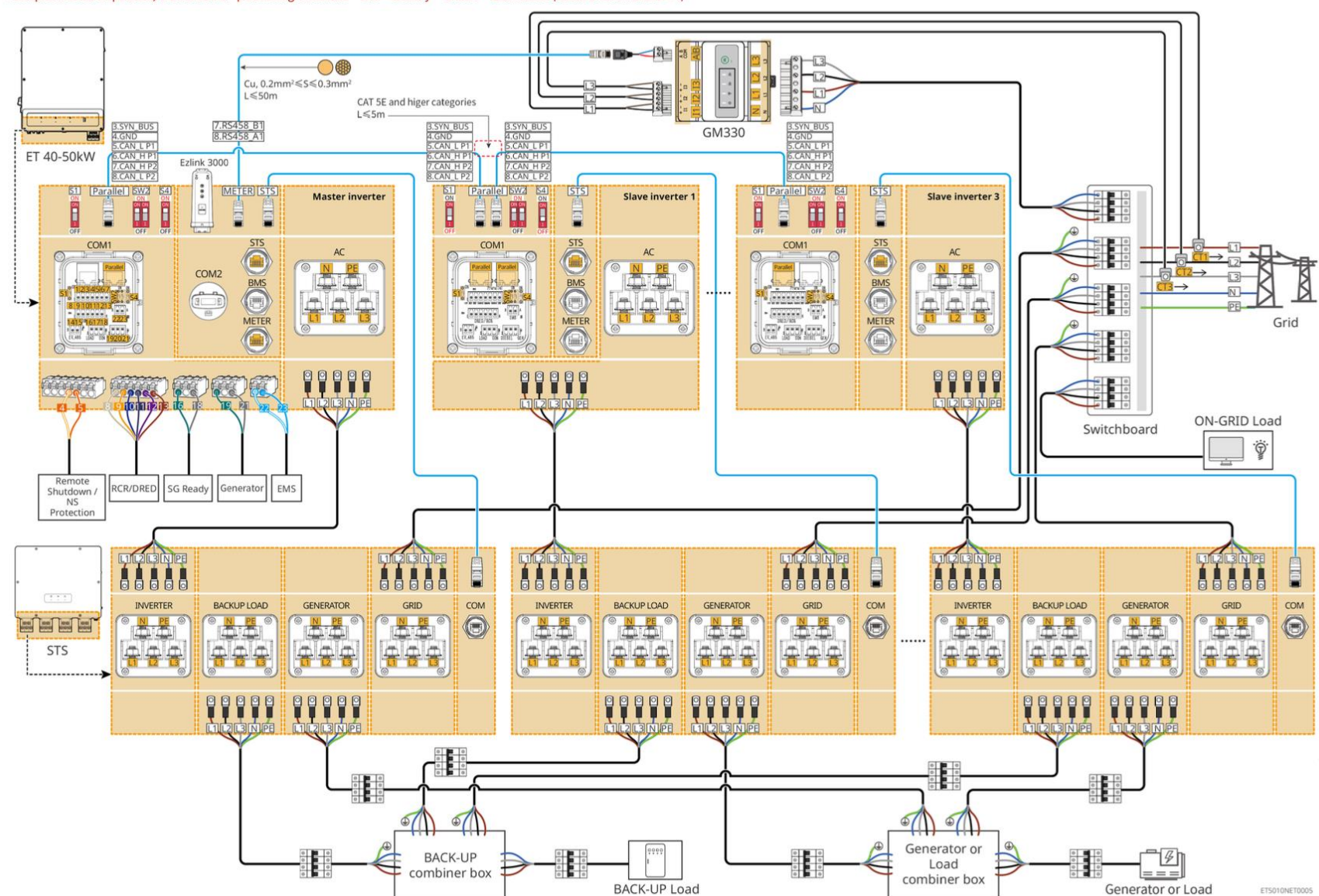
KEY USPs:

- On-grid/Off-grid transition mode, through STS
- Full Off-grid working mode supported
- ET's Paralleling in On-grid and Off-grid mode
- Back-up Loads connection through STS
- Supporting GENSET control through STS (Dry Contact)
- Back-up loads connections paralleling through various STS
- Genset connection paralleling through various STS



GOODWE's Solutions : ET 40/50 + BAT100 + STS

Multiple inverter in parallel, with BACK-UP paralleling: Inverters + STS + Battery + GM330 + Ezlink3000 (number of inverters ≤ 4)

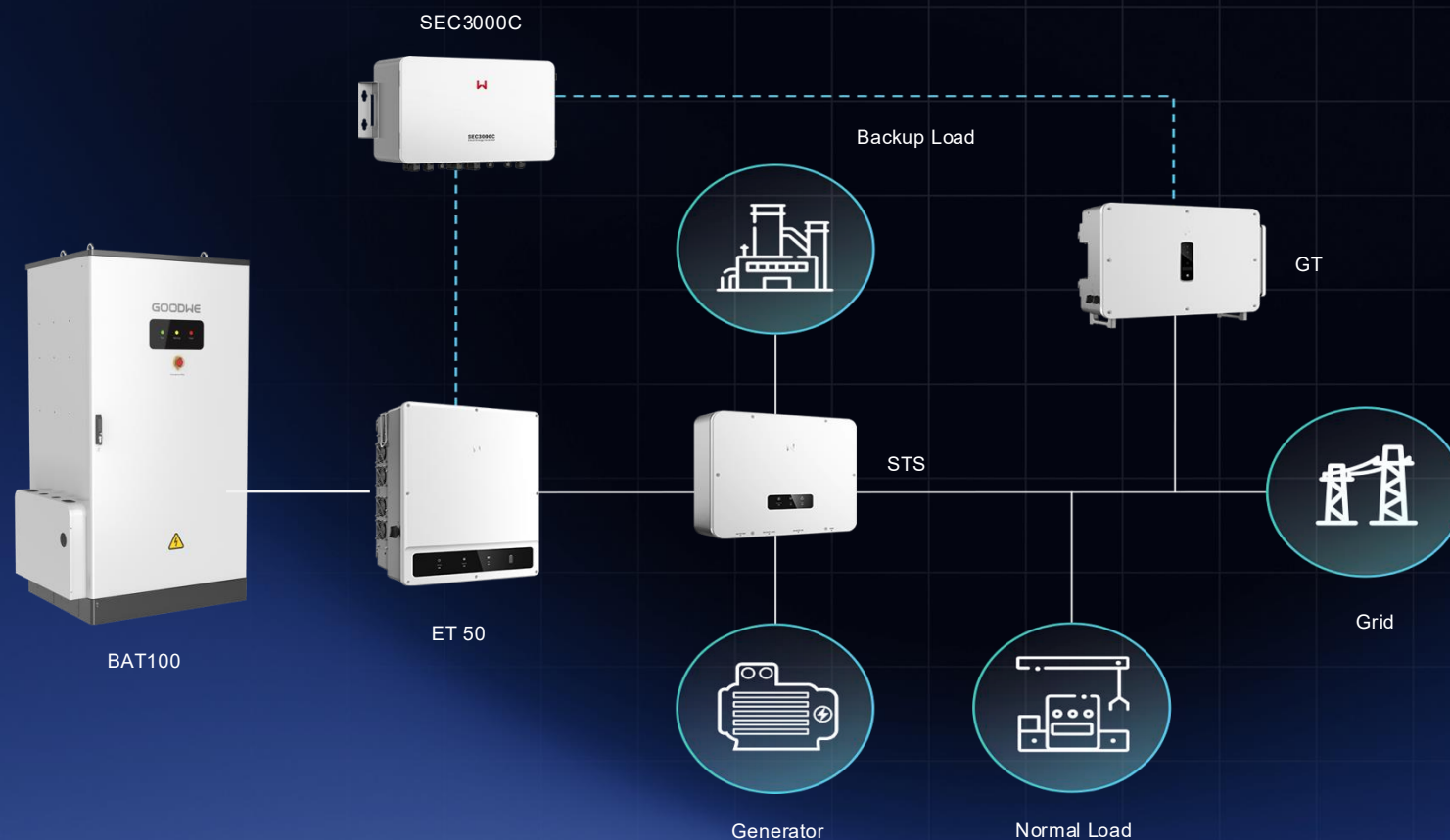


GOODWE's Solutions : ET 40/50 + BAT100 + STS + GT

GOODWE

PV + Storage + Backup = Maximum Savings

- 10 * ET50
- 60 * GT Inverters
- SEC 3000C



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Thank you

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