

Battery Compatibility Overview

This document lists the compatible batteries with all GoodWe storage inverters, consisting in 3 system types:

- 1) Low-voltage energy storage systems
- 2) High-voltage energy storage systems
- 3) Commercial and industrial energy storage systems

Only batteries listed in this document are approved for connection to GoodWe storage inverters according to GoodWe Limited Warranty.

1) Low-voltage Energy Storage Systems

Battery Brand	Battery Series	Battery Model	Inverter Series				
			ES	EM	SBP	ES G2	SBP G2
GOODWE	SECU-A	SECU-A5.4L	●	●	●	●	●
	Lynx Home U ^{*1}	LX U5.4-L	●	●	●	●	●
ES/EM/SBP/BP: *1. ARM firmware versions 11 and above are required for compatibility.							
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2
BYD	Battery-Box Pro Series ^{*1}	-	●	●	●	●	●
	Battery-Box Res Series ^{*1}	-	●	●	●	●	●
	Battery-Box LV Series ^{*2}	-	●	●	●	●	●
	Battery-Box Premium LVL ^{*2}	LVL 15.4	●	●	●	●	●
	Battery-Box Premium LVS Series ^{*2}	-	●	●	●	●	●
ES/EM/SBP/BP: *1. ARM firmware versions 00 and above are required for compatibility. *2. ARM firmware versions 07 and above are required for compatibility.							
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2
LG	RESU LV Series	RESU 3.3 ^{*1}	●	●		●	●
		RESU 6.5 ^{*1}	●	●	●	●	●
		RESU 10 ^{*1}	●	●	●	●	●
		RESU 12 ^{*2}	●	●	●	●	●
		RESU 13 ^{*2}	●	●	●	●	●
		RESU 6.4 EX ^{*1}	●	●	●	●	●
ES/EM/SBP/BP: *1. ARM firmware versions 00 and above are required for compatibility. *2. ARM firmware versions 07 and above are required for compatibility.							
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2
PYLON	US2000 Series ^{*1}	US2000	●	●	●	●	●
	US3000 Series ^{*2}	US3000	●	●	●	●	●
	US2000C Series ^{*1}	US2000C	●	●	●	●	●
	US3000C Series ^{*2}	US3000C	●	●	●	●	●
	Force L1 Series ^{*2}	Force-L1	●	●	●	●	●
	Force L2 Series ^{*2}	Force-L2	●	●	●	●	●
	US5000 Series ^{*3}	US5000				●	●
ES/EM/SBP/BP: *1. ARM firmware versions 00 and above are required for compatibility. *2. ARM firmware versions 07 and above are required for compatibility. *3. ARM firmware versions 00 and above are required for compatibility.							
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2
DYNESS	DYNESS-LV Series ^{*1}	DYNESS-LV x1	●	●	●		
		DYNESS-LV x2	●	●	●		
		DYNESS-LV x3	●	●	●		
		DYNESS-LV x4	●	●	●		
	POWERBOX F Series ^{*1}	POWERBOX F-2.5	●	●	●		
		POWERBOX F-5.0	●	●	●		
		POWERBOX F-7.5	●	●	●		
		POWERBOX F-10.0	●	●	●		
	DYNESS-LV Series ^{*2}	DL5.0C × 1				●	●
		DL5.0C × 2				●	●
		DL5.0C × 3				●	●
		DL5.0C × 4				●	●
	ES/EM/SBP/BP: *1. ARM firmware versions 07 and above are required for compatibility. ES G2/SBP G2: *2. ARM firmware versions 06 and above are required for compatibility.						

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1) Low-voltage Energy Storage Systems

Battery Brand	Battery Series	Battery Model	Inverter Series		
			ES	EM	SBP
OLOID	LBS051100A Series ^{*1}	LBS051100A-A02	•		
		LBS051100A-A03	•		
	LBS051200A Series ^{*1}	LBS051200A-A02	•		
		LBS051200A-A03	•		
ES: ^{*1.} ARM firmware versions 12 and above are required for compatibility.					
Battery Brand	Battery Series	Battery Model	ES	EM	SBP
Soluna	LV(48V) Battery Series	Soluna 4K Pack	•	•	•
		Soluna 5K Pack	•	•	•
		Soluna EOS 5K Pack	•	•	•
Battery Brand	Battery Series	Battery Model	ES	EM	SBP
ALPHA ^{*1}	Smile5-BAT Series	SMILE5-BAT ^{*2}	•	•	•
	Smile-BAT Series	Smile-BAT-10.1P ^{*2}	•	•	•
		Smile-BAT-10.3P ^{*2}	•	•	•
		Smile-BAT-13.3P ^{*3}	•	•	•
	M48112-P Series	M48112-P ^{*3}	•	•	•
M48100-P Series	M48100-P ^{*3}	•	•	•	
ES/EM/SBP/BP: ^{*1.} CAN communication line sequence of ALPHA-ESS battery does not match GoodWe inverters. A matching solution provided by ALPHA-ESS is required. ^{*2.} ARM firmware versions 10 and above are required for compatibility. ^{*3.} ARM firmware versions 11 and above are required for compatibility.					
Battery Brand	Battery Series	Battery Model	ES	EM	SBP
Tecloman	Firefly Series ^{*1}	Firefly-3.6K	•	•	•
		Firefly-7.2K	•	•	•
		Firefly-10.8K	•	•	•
		Firefly-14.4K	•	•	•
		Firefly-18.0K	•	•	•
		Firefly-21.6K	•	•	•
		Firefly-25.2K	•	•	•
ES/EM/SBP: ^{*1.} ARM firmware versions 12 and above are required for compatibility.					
Battery Brand	Battery Series	Battery Model	ES	EM	SBP
UZENERGY	L051100-A Series	L051100-A ^{*1}	•	•	•
ES/EM/SBP: ^{*1.} ARM firmware versions 12 and above are required for compatibility.					

Battery Compatibility Overview

2) High-voltage Energy Storage Systems

Battery Brand	Battery Series	Battery Model	Inverter Series					
			ET (5-10kW)*	EH	BT	BH	EHB	ET (15-30kW)
GOODWE	Lynx Home F ¹ Lynx Home F PLUS+ ² Lynx Home F G2 ³	LX F6.6-H	●	●	●	●	●	●
		LX F9.8-H	●	●	●	●	●	●
		LX F13.1-H	●	●	●	●	●	●
		LX F16.4-H	●		●			●
		LX F9.6-H-P20	●	●	●	●	●	
		LX F12.8-H-P20	●	●	●	●	●	
		LX F16.0-H-P20	●	●	●	●	●	
		LX F19.2-H-P20	●	●	●	●	●	
		LX F22.4-H-P20	●		●			
LX F25.6-H-P20	●		●					
*. Including ET Series: ET PLUS+, ET PLUS+ (16A) ET/EH/BT/BH/EHB: *1. ARM firmware versions 19 and above are required for compatibility. *2. ARM firmware versions 23 and above are required for compatibility. *3. ARM firmware versions 23 and above are required for compatibility.								
Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	BT	BH	EHB	ET (15-30kW)
BYD	Battery-Box HV Series ¹	-	●	●	●	●		
	Battery-Box Premium HVM ²	HVM 8.3		●		●	●	
		HVM 11.0	●	●	●	●	●	●
		HVM 13.8	●	●	●	●	●	●
		HVM 16.6	●	●	●	●	●	●
		HVM 19.3	●	●	●	●	●	●
	HVM 22.1	●	●	●	●	●	●	
	Battery-Box Premium HVS ²	HVS 5.1	●	●	●	●	●	●
		HVS 7.7	●	●	●	●	●	●
		HVS 10.2	●	●	●	●	●	●
HVS 12.8		●		●			●	
*. Including ET Series: ET PLUS+, ET PLUS+ (16A) ET/EH/BT/BH/EHB: *1. ARM firmware versions 07 and above are required for compatibility. *2. ARM firmware versions 11 and above are required for compatibility. ET15~30K: *2. ARM firmware versions 02 and above are required for compatibility. BYD CAN communication line PIN1/2 corresponds to inverter CAN communication line PIN4/5. *2. HVS batteries combined with ET15~30K series cannot reach the maximum charging and discharging power of the inverter.								
Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	BT	BH	EHB	ET (15-30kW)
LG	RESU FLEX Series ¹	FLEX 8.6	●					
		FLEX 12.9	●					
		FLEX 17.2	●					
	RESU Type-R Series	RESU10H_Type-R					●	
	RESU Prime Series ²	RESU10H Prime						●
RESU16H Prime							●	
*. Including ET Series: ET PLUS+, ET PLUS+ (16A) ET/EH/BT/BH/EHB: *1. Only compatible with ET PLUS+ Series. ARM firmware versions 23 and above are required for compatibility. *2. ARM firmware versions 20 and above and DSP versions 02 and above are required for compatibility.								

Battery Compatibility Overview

2) High-voltage Energy Storage Systems

Battery Brand	Battery Series	Battery Model	Inverter Series			
			ET (5-10kW)*	EH	BT	BH
PYLON	Powercube H1 Series	POWERCUBE-H1-48 ^{*1}	●	●	●	●
	Force H1 Series ^{*2}	Force-H1	●	●	●	●
	Force H2 Series ^{*2}	Force-H2	●	●	●	●

*. Including ET Series: ET PLUS+, ET PLUS+ (16A)

ET/EH/BT/BH/EHB:

*1. ARM firmware versions 07 and above are required for compatibility. Please note that the nominal voltage of POWERCUBE-H1-48 Series must be within the Battery Voltage Range of GoodWe inverters. Maximum 8 units for EH/BH, and 11 units for ET/BT.

*2. ARM firmware versions 14 and above are required for compatibility. Please note that the nominal voltage of FORCE-H1 Series must be within the Battery Voltage Range of GoodWe inverters. At least 5 FORCE-H1 battery modules for ET.

Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	BT	BH
DYNESS	Tower Series ^{*1}	Tower T7		●		●
		Tower T10	●	●	●	●
		Tower T14	●	●	●	●
		Tower T17	●		●	

*. Including ET Series: ET PLUS+, ET PLUS+ (16A)

ET/EH/BT/BH/EHB:

*1. ARM firmware versions 10 and above are required for compatibility.

Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	BT	BH
Soluna	HV Battery Series ^{*1}	Soluna 7K Pack HV		●		●
		Soluna 10K Pack HV	●	●	●	●
		Soluna 15K Pack HV	●		●	

*. Including ET Series: ET PLUS+, ET PLUS+ (16A)

ET/EH/BT/BH/EHB:

*1. ARM firmware versions 10 and above are required for compatibility.

Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	BT	BH
iPotisEdge	Mint-JKE ^{*1}	Mint-JKE5		●		●
		Mint-JKE10		●		●
		Mint-JKE15	●	●	●	●
		Mint-JKE20	●	●	●	●

*. Including ET Series: ET PLUS+, ET PLUS+ (16A)

ET/EH/BT/BH/EHB:

*1. ARM firmware versions 12 and above are required for compatibility.

Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	BT	BH	
WTS	WTS Power-CORE 1.0 ^{*1}	WTS Power-CORE 1.0-5.5					
		WTS Power-CORE 1.0-8.3	●		●		
		WTS Power-CORE 1.0-11.0	●		●		
		WTS Power-CORE 1.0-13.8	●		●		
	WTS Energy-CORE 1.0 ^{*1}	WTS Energy-CORE 1.0-9.6					
		WTS Energy-CORE 1.0-12.8	●		●		
		WTS Energy-CORE 1.0-16.0	●		●		
		WTS Energy-CORE 1.0-19.2	●		●		
		WTS Energy-CORE 1.0-22.4	●		●		
		WTS Energy-CORE 1.0-25.6	●		●		

ET/BT:

*1. ARM firmware versions 14 and above are required for compatibility.

3) Commercial and Industrial Energy Storage Systems

Battery Brand	Battery Series	Battery Model	Inverter Series	
			ETC	BTC
GOODWE	Lynx C series ^{*1}	LX C 101-10	●	●
		LX C 120-10	●	●
		LX C 138-10	●	●
		LX C 156-10	●	●

ETC 50K/BTC 50K:

*1. EMS firmware versions 02 and above are required for compatibility.

ETC 100K:

*1. EMS firmware versions 00 and above are required for compatibility.