

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	●	●	●	●	●
	Lynx Home U-20 ²	LX U5.4-20	●	●	●	●	●
	Lynx Home A ³	LX A5.0-10	●	●	●	●	●
ES/EM/SBP/BP: *1. ARM firmware versions 11 and above are required for compatibility. *2. ARM firmware versions 11 and above are required for compatibility.							
ES G2/SBP G2: *2. ARM firmware versions 02 and above are required for compatibility. *3. ARM firmware versions 07 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: *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)	ET-20
GOODWE	Lynx Home F ^{*1} Lynx Home F PLUS+ ^{*2}	LX F6.6-H	●	●	●	●	●	●	●
		LX F9.8-H	●	●	●	●	●	●	●
		LX F13.1-H	●	●	●	●	●	●	●
		LX F16.4-H	●		●			●	●
	Lynx Home F G2 ^{*3}	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	●		●			●	●
	Lynx Home D	LXD5.0-10						●	●

*. 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. For compatibility, the ET/BT series requires ARM25 and DSP09 versions and above; the EHB series requires ARM25 and DSP version 03 and above; the EH/BH series requires ARM25 and DSP version 07 and above.

ET (15-30kW)/ET-20:

*3. For compatibility, the ET (15~30K) Series requires ARM07 and DSP version 06 and above.

Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	BT	BH	EHB	ET (15-30kW)	ET-20
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	●	●	●	●	●	●	●
	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)	ET-20
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	ET-20
PYLON	Powercube H1 Series ^{*1}	POWERCUBE-H1-48	●	●	●	●	
	Force H1 Series ^{*2}	Force-H1	●	●	●	●	●
	Force H2 Series ^{*2}	Force-H2	●	●	●	●	
	Force H3 Series	Force-H3					●
*. 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	ET-20
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	ET-20
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	ET-20
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	ET-20
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.				