

# 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 <sup>1</sup>	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 <sup>*1</sup>	-	●	●	●	●	●
	Battery-Box Res Series <sup>*1</sup>	-	●	●	●	●	●
	Battery-Box LV Series <sup>*2</sup>	-	●	●	●	●	●
	Battery-Box Premium LVL <sup>*2</sup>	LVL 15.4	●	●	●	●	●
	Battery-Box Premium LVS Series <sup>*2</sup>	-	●	●	●	●	●
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 <sup>*1</sup>	●	●		●	●
		RESU 6.5 <sup>*1</sup>	●	●	●	●	●
		RESU 10 <sup>*1</sup>	●	●	●	●	●
		RESU 12 <sup>*2</sup>	●	●	●	●	●
		RESU 13 <sup>*2</sup>	●	●	●	●	●
		RESU 6.4 EX <sup>*1</sup>	●	●	●	●	●
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 <sup>*1</sup>	US2000	●	●	●	●	●
	US3000 Series <sup>*2</sup>	US3000	●	●	●	●	●
	US2000C Series <sup>*1</sup>	US2000C	●	●	●	●	●
	US3000C Series <sup>*2</sup>	US3000C	●	●	●	●	●
	Force L1 Series <sup>*2</sup>	Force-L1	●	●	●	●	●
	Force L2 Series <sup>*2</sup>	Force-L2	●	●	●	●	●
	US5000 Series <sup>*3</sup>	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 <sup>*1</sup>	DYNESS-LV x1	●	●	●		
		DYNESS-LV x2	●	●	●		
		DYNESS-LV x3	●	●	●		
		DYNESS-LV x4	●	●	●		
	POWERBOX F Series <sup>*1</sup>	POWERBOX F-2.5	●	●	●		
		POWERBOX F-5.0	●	●	●		
		POWERBOX F-7.5	●	●	●		
		POWERBOX F-10.0	●	●	●		
ES/EM/SBP/BP: *1. ARM firmware versions 07 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 <sup>*1</sup>	LBS051100A-A02	●		
		LBS051100A-A03	●		
	LBS051200A Series <sup>*1</sup>	LBS051200A-A02	●		
		LBS051200A-A03	●		
<b>ES:</b> <sup>*1</sup> . 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 <sup>*1</sup>	Smile5-BAT Series	SMILE5-BAT <sup>*2</sup>	●	●	●
	Smile-BAT Series	Smile-BAT-10.1P <sup>*2</sup>	●	●	●
		Smile-BAT-10.3P <sup>*2</sup>	●	●	●
		Smile-BAT-13.3P <sup>*3</sup>	●	●	●
	M48112-P Series	M48112-P <sup>*3</sup>	●	●	●
M48100-P Series	M48100-P <sup>*3</sup>	●	●	●	
<b>ES/EM/SBP/BP:</b> <sup>*1</sup> . CAN communication line sequence of ALPHA-ESS battery does not match GoodWe inverters. A matching solution provided by ALPHA-ESS is required. <sup>*2</sup> . ARM firmware versions 10 and above are required for compatibility. <sup>*3</sup> . ARM firmware versions 11 and above are required for compatibility.					
Battery Brand	Battery Series	Battery Model	ES	EM	SBP
Tecloman	Firefly Series <sup>*1</sup>	Firefly-3.6K	●	●	●
		Firefly-7.2K	●	●	●
		Firefly-10.8K	●	●	●
		Firefly-14.4K	●	●	●
		Firefly-18.0K	●	●	●
		Firefly-21.6K	●	●	●
		Firefly-25.2K	●	●	●
<b>ES/EM/SBP:</b> <sup>*1</sup> . 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 <sup>*1</sup>	●	●	●
<b>ES/EM/SBP:</b> <sup>*1</sup> . 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 <sup>1</sup> Lynx Home F PLUS+ <sup>1</sup>	LX F6.6-H	●	●	●	●	●	●	
		LX F9.8-H	●	●	●	●	●	●	
		LX F13.1-H	●	●	●	●	●	●	
		LX F16.4-H	●		●			●	
*. Including ET Series: ET PLUS+, ET PLUS+ (16A) <b>ET/EH/BT/BH/EHB:</b> *1. ARM firmware versions 19 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 <sup>1</sup>	-	●	●	●	●			
	Battery-Box Premium HVM <sup>2</sup>	HVM 8.3		●		●	●		
		HVM 11.0	●	●	●	●	●	●	
		HVM 13.8	●	●	●	●	●	●	
		HVM 16.6	●	●	●	●	●	●	
		HVM 19.3	●	●	●	●	●	●	
		HVM 22.1	●	●	●	●	●	●	
	Battery-Box Premium HVS <sup>2</sup>	HVS 5.1	●	●	●	●	●	●	
		HVS 7.7	●	●	●	●	●	●	
		HVS 10.2	●	●	●	●	●	●	
HVS 12.8		●		●			●		
*. Including ET Series: ET PLUS+, ET PLUS+ (16A) <b>ET/EH/BT/BH/EHB:</b> *1. ARM firmware versions 07 and above are required for compatibility. *2. ARM firmware versions 11 and above are required for compatibility. <b>ET15-30K:</b> *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 <sup>1</sup>	FLEX 8.6	●						
		FLEX 12.9	●						
		FLEX 17.2	●						
	RESU Type-R Series	RESU10H_Type-R					●		
	RESU Prime Series <sup>2</sup>	RESU10H Prime						●	
		RESU16H Prime						●	
*. Including ET Series: ET PLUS+, ET PLUS+ (16A) <b>ET/EH/BT/BH/EHB:</b> *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 <sup>*1</sup>	●	●	●	●	
	Force H1 Series <sup>*2</sup>	Force-H1	●	●	●	●	
	Force H2 Series <sup>*2</sup>	Force-H2	●	●	●	●	
*. Including ET Series: ET PLUS+, ET PLUS+ (16A) <b>ET/EH/BT/BH/EHB:</b> *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 <sup>*1</sup>	Tower T7		●		●	
		Tower T10	●	●	●	●	
		Tower T14	●	●	●	●	
		Tower T17	●		●		
*. Including ET Series: ET PLUS+, ET PLUS+ (16A) <b>ET/EH/BT/BH/EHB:</b> *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 <sup>*1</sup>	Soluna 7K Pack HV		●		●	
		Soluna 10K Pack HV	●	●	●	●	
		Soluna 15K Pack HV	●		●		
*. Including ET Series: ET PLUS+, ET PLUS+ (16A) <b>ET/EH/BT/BH/EHB:</b> *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 <sup>*1</sup>	Mint-JKE5		●		●	
		Mint-JKE10		●		●	
		Mint-JKE15	●	●	●	●	
		Mint-JKE20	●	●	●	●	
*. Including ET Series: ET PLUS+, ET PLUS+ (16A) <b>ET/EH/BT/BH/EHB:</b> *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 <sup>*1</sup>	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 <sup>*1</sup>	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	●		●		
<b>ET/BT:</b> *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 <sup>*1</sup>	LX C 101-10	●	●
		LX C 120-10	●	●
		LX C 138-10	●	●
		LX C 156-10	●	●
<b>ETC 50K/BTC 50K:</b> *1. EMS firmware versions 02 and above are required for compatibility. <b>ETC 100K:</b> *1. EMS firmware versions 00 and above are required for compatibility.				