

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
- 4) High-voltage Energy Storage Systems (for U.S only).

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	Battery	Battery		In	verter Ser	ies	
Brand	Series	Model	ES	EM	SBP	ES G2	SBP G2
0000	SECU-A	SECU-A5.4L	•	•	•	•	•
GOODWE	Lynx Home U ^{*1}	LX U5.4-L	•	•	•	ES G2	•
ES/EM/SBP/BP: *1. ARM firmware	versions 11 and above are required for compa	tibility.					1
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2
, , ,	Battery-Box Pro Series ^{*1}	-	•	•	•		•
	Battery-Box Res Series ^{*1}	-	•	•	•	•	•
BYD	Battery-Box LV Series ^{*2}	-	•	•	• • SBP ES G2 • • <td>•</td>	•	
	Battery-Box Premium LVL*2	LVL 15.4		•	•	•	•
	Battery-Box Premium LVS Series ^{*2}	-	•	•	•	BP ES G2 0 0 <	•
*2. ARM firmware	versions 00 and above are required for compa versions 07 and above are required for compa	tibility.					
Battery Brand	Battery Series	Battery Model			SBP		SBP G2
		RESU 3.3 ^{*1}		-		-	•
		RESU 6.5 ^{*1} RESU 10 ^{*1}	-	-	-	-	•
LG	RESU LV Series	RESU 10 ^{*2}			• • • • • • • •		•
		RESU 12 ⁻²	-		-		•
		RESU 6.4 EX ^{*1}	-	-	-	-	•
	versions 00 and above are required for compa versions 07 and above are required for compa Battery Series		ES	EM	SBP	ES G2	SBP G2
	US2000 Series ^{*1}	US2000	٠	•	•	•	•
	1100000 0 1 *2	1100000					•
	US3000 Series ^{*2}	US3000	•	•	-		•
	US2000C Series ^{*1}	US2000C		-	-	-	•
PYLON	US2000C Series ^{*1} US3000C Series ^{*2}		•	•	•	•	-
PYLON	US2000C Series ^{*1} US3000C Series ^{*2} Force L1 Series ^{*2}	US2000C	•	•	•	•	•
PYLON	US2000C Series ^{*1} US3000C Series ^{*2}	US2000C US3000C	•	•	•	•	•
ES/EM/SBP/BP: *1. ARM firmware v *2. ARM firmware v	US2000C Series ^{*1} US3000C Series ^{*2} Force L1 Series ^{*2} Force L2 Series ^{*2} versions 00 and above are required for compa versions 07 and above are required for compa	US2000C US3000C Force-L1 Force-L2 ttibility.	• • • •	•	•	•	•
ES/EM/SBP/BP: *1. ARM firmware v *2. ARM firmware v	US2000C Series ^{*1} US3000C Series ^{*2} Force L1 Series ^{*2} Force L2 Series ^{*2} versions 00 and above are required for compa	US2000C US3000C Force-L1 Force-L2 tibility. Battery Model	• • • ES	• • •	• • •	•	•
ES/EM/SBP/BP: *1. ARM firmware v *2. ARM firmware v	US2000C Series ^{*1} US3000C Series ^{*2} Force L1 Series ^{*2} Force L2 Series ^{*2} versions 00 and above are required for compa versions 07 and above are required for compa	US2000C US3000C Force-L1 Force-L2 attibility. Battery Model DYNESS-LV x1	• • • ES •	• • • •	• • • • •	•	•
ES/EM/SBP/BP: *1. ARM firmware v *2. ARM firmware v	US2000C Series ^{*1} US3000C Series ^{*2} Force L1 Series ^{*2} Force L2 Series ^{*2} versions 00 and above are required for compa versions 07 and above are required for compa Battery Series	US2000C US3000C Force-L1 Force-L2 atibility. Battery Model DYNESS-LV x1 DYNESS-LV x2	• • • ES •	• • • • •	• • • • •	•	•
ES/EM/SBP/BP: *1. ARM firmware v *2. ARM firmware v	US2000C Series ^{*1} US3000C Series ^{*2} Force L1 Series ^{*2} Force L2 Series ^{*2} versions 00 and above are required for compa versions 07 and above are required for compa	US2000C US3000C Force-L1 Force-L2 tibility. Battery Model DYNESS-LV x1 DYNESS-LV x2 DYNESS-LV x3	• • • ES • •	• • • • •	• • • • • •	 ES G2 • ES G2 • 	•
ES/EM/SBP/BP: *1. ARM firmware v *2. ARM firmware v	US2000C Series ^{*1} US3000C Series ^{*2} Force L1 Series ^{*2} Force L2 Series ^{*2} versions 00 and above are required for compa versions 07 and above are required for compa Battery Series	US2000C US3000C Force-L1 Force-L2 tibility. tibility. Battery Model DYNESS-LV x1 DYNESS-LV x2 DYNESS-LV x3 DYNESS-LV x4	• • • ES • •	• • • • •	• • • • • • • •	•	•
ES/EM/SBP/BP: *1. ARM firmware *2. ARM firmware v Battery Brand	US2000C Series ^{*1} US3000C Series ^{*2} Force L1 Series ^{*2} Force L2 Series ^{*2} versions 00 and above are required for compa versions 07 and above are required for compa Battery Series	US2000C US3000C Force-L1 Force-L2 tibility. tibility. Battery Model DYNESS-LV x1 DYNESS-LV x2 DYNESS-LV x3 DYNESS-LV x4 POWERBOX F-2.5	• • • ES • • •	• • • • • •	• • • • • • • • •	•	•
ES/EM/SBP/BP: *1. ARM firmware *2. ARM firmware Battery Brand	US2000C Series ^{*1} US3000C Series ^{*2} Force L1 Series ^{*2} Force L2 Series ^{*2} versions 00 and above are required for compa versions 07 and above are required for compa Battery Series	US2000C US3000C Force-L1 Force-L2 tibility. tibility. Battery Model DYNESS-LV x1 DYNESS-LV x2 DYNESS-LV x3 DYNESS-LV x4 POWERBOX F-2.5 POWERBOX F-5.0	• • • ES • • • • • •	EM • •	• • • • • • • • • • • • •	•	•
ES/EM/SBP/BP: *1. ARM firmware *2. ARM firmware Battery Brand	US2000C Series ^{*1} US3000C Series ^{*2} Force L1 Series ^{*2} Force L2 Series ^{*2} versions 00 and above are required for compa versions 07 and above are required for compa Battery Series DYNESS-LV Series ^{*1}	US2000C US3000C Force-L1 Force-L2 tibility. tibility. Battery Model DYNESS-LV x1 DYNESS-LV x2 DYNESS-LV x3 DYNESS-LV x4 POWERBOX F-2.5	• • • ES • • •	• • • • • •	• • • • • • • • •	•	•



1) Low-voltage Energy Storage Systems

Battery	Battery	Battery		Inverter Series	
Brand	Series	Model	ES	EM	SBP
	*1	LBS051100A-A02	•		
	LBS051100A Series ^{*1}	LBS051100A-A03	•		
OLOID -	LBS051200A Series ^{*1}	LBS051200A-A02	•		
	LBS051200A Series	LBS051200A-A03	•		
ES: *1. ARM firmware ver	sions 12 and above are required for co	npatibility.			
Battery Brand	Battery Series	Battery Model	ES	EM	SBP
	LV(48V) Battery Series	Soluna 4K Pack	•	•	•
Soluna		Soluna 5K Pack	٠	•	•
		Soluna EOS 5K Pack	•	•	•
Battery Brand	Battery Series	Battery Model	ES	EM	SBP
	Smile5-BAT Series	SMILE5-BAT ^{*2}	•	•	•
		Smile-BAT-10.1P ^{*2}	•	•	•
	Smile-BAT Series	Smile-BAT-10.3P ^{*2}	•	•	•
ALPHA ^{*1}		Smile-BAT-13.3P*3	•	•	•
	M48112-P Series	M48112-P*3	•	•	•
		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
		Firefly-3.6K	٠	•	•
		Firefly-7.2K	•	•	•
		Firefly-10.8K	•	•	•
Tecloman	Firefly Series ^{*1}	Firefly-14.4K	٠	•	•
		Firefly-18.0K	•	•	•
		Firefly-21.6K	•	•	•
		Firefly-25.2K	•	•	•
ES/EM/SBP: *1. ARM firmware versi	ons 12 and above are required for co	mpatibility.		1	
Battery Brand	Battery Series	Battery Model	ES	EM	SBP
UZENERGY	L051100-A Series	L051100-A ^{*1}	•	•	•

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



Battery Compatibility Overview

2) High-voltage Energy Storage Systems

Battery	Battery	Battery						
Brand	Series	Model	ET (5-10kW)*	EH	BT	BH	EHB	ET (15-30kW)
GOODWE		LX F6.6-H	•	•	•	•	•	•
	Lynx Home F ^{*1}	LX F9.8-H	•	•	•	•	•	•
GOODWE	Lynx Home F PLUS+ ^{*1}	LX F13.1-H	•	•	•	•	•	•
		LX F16.4-H	•		•			•
ET/EH/BT/BH/EH	ries: ET PLUS+, ET PLUS+ (16A) B: versions 19 and above are required for	compatibility.						
Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	BT	BH	EHB	ET (15-30kW)
	Battery-Box HV Series ^{*1}	-	•	•	•	•		
		HVM 8.3		•		•	•	
		HVM 11.0	•	•	•	•	•	•
	Battery-Box Premium HVM ^{*2}	HVM 13.8	•	•	•	•	•	•
		HVM 16.6	•	•	•	•	•	•
BYD ^{*3}		HVM 19.3	•	•	•	•	•	•
		HVM 22.1	•	•	•	•	•	•
		HVS 5.1	•	•	•	•	•	•
	Battery-Box Premium HVS ^{*2}	HVS 7.7	•	•	•	•	•	•
	Dattery-DOX Premium HVS	HVS 10.2	•	•	•	•	•	•

*. 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.

*3. ARM firmware versions 02 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.

Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	BT	BH	EHB	ET (15-30kW)
	RESU FLEX Series ^{*1}	FLEX 8.6	•					
		FLEX 12.9	•					
		FLEX 17.2	•					
LG -	RESU Type-R Series	RESU10H_Type-R					•	
	RESU Prime Series ^²	RESU10H Prime					•	
		RESU16H Prime					•	
*. Including ET Seri	ies: ET PLUS+, ET PLUS+ (16A)	RESU16H Prime					•	

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.

HVS 12.8

GoodWe Battery Compatibility Overview-20230306-EN-V029.1 Information may be subject to change without notice



Battery	Battery	Battery		Inverter	Inverter Series		
Brand	Series	Model	ET (5-10kW)*	EH	BT	BH	
	Powercube H1 Series	POWERCUBE-H1-48 ^{*1}	•	•	•	•	
PYLON	Force H1 Series ^{*2}	Force-H1	•	٠	•	•	
	Force H2 Series ^{*2}	Force-H2	•	•	•	•	
*. Including ET Se	ries: ET PLUS+, ET PLUS+ (16A)						

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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	вт	BH
		Tower T7		•		•
	Tower Series ^{*1}	Tower T10	•	٠	•	•
DYNESS	Iower Series	Tower T14	•	٠	•	•
		Tower T17	•		•	
ET/EH/BT/BH/EHE	ies: ET PLUS+, ET PLUS+ (16A) 3: versions 10 and above are required fo	r compatibility.				
Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	вт	вн
		Soluna 7K Pack HV		٠		•
Soluna	HV Battery Series ^{*1}	Soluna 10K Pack HV	•	٠	•	•
		Soluna 15K Pack HV	•		•	
ET/EH/BT/BH/EHE	ies: ET PLUS+, ET PLUS+ (16A) 3: /ersions 10 and above are required fo	r compatibility.				
ET/EH/BT/BH/EHE *1. ARM firmware v	3:	r compatibility. Battery Model	ET (5-10kW)*	EH	ВТ	BH
ET/EH/BT/BH/EHE *1. ARM firmware v	a: versions 10 and above are required fo		ET (5-10kW)*	EH	BT	BH
ET/EH/BT/BH/EHE *1. ARM firmware v Battery Brand	3: versions 10 and above are required fo Battery Series	Battery Model	ET (5-10kW)*		ВТ	
ET/EH/BT/BH/EHE	a: versions 10 and above are required fo	Battery Model Mint-JKE5	ET (5-10kW)*	•	BT	•

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

3) Commercial and Industrial Energy Storage Systems

Dottom / Drand	Battery Series	Dottom/ Model	Inverter Series			
Battery Brand		Battery Model	ETC	BTC		
	Lynx C series ^{*1}	LX C 101-10	٠	•		
		LX C 120-10	٠	•		
GOODWE		LX C 138-10	٠	•		
		LX C 156-10	٠	•		

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



4) High-voltage Energy Storage Systems (for U.S only).

		Detter Medel	l	nverter Se	ries	
Battery Brand	Battery Series	Battery Model	A-ES	A-BP	ES-US20	SBP-US20
		SECU-S13	٠	•		
	0.5014.0*1	SECU-S15	٠	•		
	SECU-S ^{*1}	SECU-S18	٠	•		
0 114/		SECU-S20	٠	•		
GoodWe		LX F9.6-30	٠	•	•	•
		LX F12.8-30	٠	•	•	•
	Lynx Home FH Series US ^{*2}	LX F16.0-30	٠	•	•	•
		LX F19.2-30	٠	•	•	•
Battery Brand	Battery Series	Battery Model	A-ES	A-BP	ES-US20	SBP-US20
ES-US20/SBP-US20 : *2. For ES-US20/SBP-US2	0, ARM firmware versions 03 or above a	re required for compatibility with	Lynx Home FH S	Series US.		
Battery Brand	Battery Series				ES-US20	SBP-US20
	Battery-Box Premium HVL ^{*1}	HVL 12.0	•	•		
		HVL 16.0	•	•		
BYD		HVL 20.0	•	•		
		HVL 24.0	•	•		
		HVL 28.0	•	•		
		HVL 32.0	•	•		
A-ES/A-BP: *1. ARM firmware versions	11 and above are required for compatibi	lity.				
Battery Brand	Battery Series	Battery Model	A-ES	A-BP	ES-US20	SBP-US20
	LBS102100A Series ^{*1}	LBS102100A	٠	•		
OLOID	LBS153100A Series ^{*1}	LBS153100A	٠	•		
	LBS205100A Series ^{*1}	LBS205100A	٠	•		
A-ES/A-BP: *1. ARM firmware versions	14 and above are required for compatibi	lity.				
Battery Brand	Battery Series	Battery Model	A-ES	A-BP	ES-US20	SBP-US20
		Soluna 7K Pack HV	•	•		

A-ES/A-BP:

*1. ARM firmware versions 10 and above are required for compatibility. *2. Soluna HV does not have UL9540 certificate.

Battery Brand	Battery Series	Battery Model	A-ES	A-BP	ES-US20	SBP-US20
	RESU Prime Series ¹¹	RESU10H Prime	•	•		
LG	RESU Phille Selles	RESU16H Prime	•			
A-ES/A-BP:	20 and above and DSP versions 05 and	above are required for compati	, hility			

Soluna 15K Pack HV

 ARM firmware versions 20 and above and DSF versions 05 and above are required for compatibility •