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

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 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:
*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	●	●	●	●	●

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
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	●	●	●		

ES/EM/SBP/BP:
*1. ARM firmware versions 07 and above are required for compatibility.

Battery Compatibility Overview

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+[*1]	LX F6.6-H	●	●	●	●	●	●
		LX F9.8-H	●	●	●	●	●	●
		LX F13.1-H	●	●	●	●	●	●
		LX F16.4-H	●		●			●

*. Including ET Series: ET PLUS+, ET PLUS+ (16A)
ET/EH/BT/BH/EHB:
*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[*3]	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.
*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)
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.

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.

Battery Compatibility Overview

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

Battery Brand	Battery Series	Battery Model	Inverter Series			
			A-ES	A-BP	ES-US20	SBP-US20
GoodWe	SECU-S[1]	SECU-S13	●	●		
		SECU-S15	●	●		
		SECU-S18	●	●		
		SECU-S20	●	●		
	Lynx Home FH Series US[2]	LX F9.6-30	●	●	●	●
		LX F12.8-30	●	●	●	●
		LX F16.0-30	●	●	●	●
		LX F19.2-30	●	●	●	●

A-ES/A-BP:
*1. ARM firmware versions 14 and above are required for compatibility.
ES-US20/SBP-US20 :
*2. For ES-US20/SBP-US20, ARM firmware versions 03 or above are required for compatibility with Lynx Home FH Series US.

Battery Brand	Battery Series	Battery Model	A-ES	A-BP	ES-US20	SBP-US20
BYD	Battery-Box Premium HVL[1]	HVL 12.0	●	●		
		HVL 16.0	●	●		
		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 compatibility.

Battery Brand	Battery Series	Battery Model	A-ES	A-BP	ES-US20	SBP-US20
OLOID	LBS102100A Series[1]	LBS102100A	●	●		
	LBS153100A Series[1]	LBS153100A	●	●		
	LBS205100A Series[1]	LBS205100A	●	●		

A-ES/A-BP:
*1. ARM firmware versions 14 and above are required for compatibility.

Battery Brand	Battery Series	Battery Model	A-ES	A-BP	ES-US20	SBP-US20
Soluna	HV Battery Series[1][2]	Soluna 7K Pack HV	●	●		
		Soluna 10K Pack HV	●	●		
		Soluna 15K 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
LG	RESU Prime Series[1]	RESU10H Prime	●	●		
		RESU16H Prime	●			

A-ES/A-BP:
*1. ARM firmware versions 20 and above and DSP versions 05 and above are required for compatibility.