

This document lists the compatible batteries with GoodWe storage inverters, consisting in 4 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.

In addition to the batteries listed in this document, there are some batteries that follow the GOODWE CAN communication protocol that are not listed in this document, if you need to get the matching information for these batteries, please consult GOODWE's technical service personnel.

1) Low-voltage Energy Storage Systems

Battery	Battery	Battery	Inverter Series					
Brand	Series	Model	ES	EM	SBP	ES G2	SBP G2	ES Uniq
	SECU-A	SECU-A5.4L	•	•	•	•	•	
	Lynx Home U	LX U5.4-L*1			•	•	•	
GOODWE		LX U5.4-20*2	•	•	•	•	•	•
GOODWE	•	LX U5.0-30*4				•	•	•
	Lynx Home A	LX A5.0-10*3				•	•	
		LX A5.0-30 ^{*5}				•	•	•

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.
- *4. ARM firmware versions 09 and above are required for compatibility. *5. ARM firmware versions 09 and above are required for compatibility.
- ES uniq 8~12kW:
- *4. ARM firmware versions 10 and above are required for compatibility.
 *5. ARM firmware versions 09 and above are required for compatibility.

Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2	ES Uniq
	Battery-Box Pro Series*1	-	•	•		•		
	Battery-Box Res Series*1	-	•					
	Battery-Box LV Series*2	-	•					
BYD	Battery-Box Premium LVL*2	LVL 15.4	•	•		•	•	
	Battery-Box Premium LVS Series*2	-	•			•		
	BatteryBox LV5.0*3	LV5.0				•	•	•
1	BatteryBox LV5.0+*4	LV5.0+						

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.

ES G2/SBP G2:

- *3. ARM firmware versions 09 and above are required for compatibility.
 *4. ARM firmware versions 09 and above are required for compatibility.

ES uniq 8~12kW:

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

 *4. ARM firmware versions 10 and above are required for compatibility.
- **Battery Brand Battery Model** ES ΕM SBP ES G2 SBP G2 **ES** Unia **Battery Series** RESU 3.3*1 RESU 6.5 RESU 10^{*1} LG **RESU LV Series** RESU 12*2 RESU 13*2 RESU 6.4 EX

ES/EM/SBP:

- *2. ARM firmware versions 07 and above are required for compatibility.
- 1. ARM firmware versions 00 and above are required for compatibility.

Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2	ES Uniq
	US2000 Series*1	US2000	•	•	•	•	•	
	US3000 Series*2	US3000	•	•		•	•	
	US2000C Series*1	US2000C					•	
PYLON	US3000C Series*2	US3000C	•	•	•	•	•	
	Force L1 Series*2	Force-L1	•	•		•	•	
	Force L2 Series*2	Force-L2	•				•	
	US5000 Series*3	US5000				•	•	

- 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.



1) Low-voltage Energy Storage Systems

Battery	Battery	Battery	Inverter Series					
Brand	Series	Model	ES	EM	SBP	ES G2	SBP G2	ES Uniq
		DYNESS-LV x1	•	•	•			
	DYNESS-LV Series ^{*1}	DYNESS-LV x2	•	•	•			
		DYNESS-LV x3	•	•	•			
		DYNESS-LV x4	•	•	•			
	POWERBOX F Series ^{*1}	POWERBOX F-2.5	•	•	•			
		POWERBOX F-5.0	•	•	•			
DYNESS		POWERBOX F-7.5	•	•	•			
		POWERBOX F-10.0	•	•	•			
		DL5.0C*2				•	•	•
	DYNESS-LV Series	DL5.0X*3				•	•	
		A48100 ^{*4}				•	•	
	POWER BOX G2°5	POWER BOX G2				•	•	•
	POWER BRICK*6	POWER BRICK				•	•	•

ES/EM/SBP/BP:

- *1. ARM firmware versions 07 and above are required for compatibility.
- *2. ARM firmware versions 06 and above are required for compatibility.
 *3. ARM firmware versions 07 and above are required for compatibility.
- *4. ARM firmware versions 07 and above are required for compatibility.
- *5. ARM firmware versions 08 and above are required for compatibility.
 *6. ARM firmware versions 08 and above are required for compatibility.
- ES Uniq:
 *5. ARM firmware versions 09 and above are required for compatibility.
 *6. ARM firmware versions 09 and above are required for compatibility.

Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2	ES Uniq
LBS051100A Series ^{*1}	LBS051100A-A02	•						
OI OID	LBS051100A Selles	LBS051100A-A03	•					
OLOID	LBS051200A Series ^{*1}	LBS051200A-A02	•					
	LD3031200A Series	LBS051200A-A03						

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

	•							
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2	ES Uniq
		Soluna 4K Pack	•	•	•			
Soluna	LV (48V) Battery Series	Soluna 5K Pack		•	•			
		Soluna EOS 5K Pack	•	•	•			
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2	ES Uniq
	Smile5-BAT Series	SMILE5-BAT*2	•	•	•			
		Smile-BAT-10.1P*2	•	•	•			
ALPHA*1	Smile-BAT Series	Smile-BAT-10.3P*2	•	•	•			
ALPHA		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	ES G2	SBP G2	ES Uniq
		Firefly-3.6K	•	•	•			
		Firefly-7.2K	•	•	•			
		Firefly-10.8K	•	•	•			
Tecloman	Firefly Series ^{*1}	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	ES G2	SBP G2	ES Uniq
UZENERGY	L051100-A Series	L051100-A ^{*1}	•	•	•			

ES/EM/SBP:

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



2) High-voltage Energy Storage Systems

Battery	Battery	Battery	Inverter Series							
Brand	Series	Model	ET (5-10kW)*	EH**	ВТ	вн	EHB	ET (15-30kW)	ET G2	ET (40~50kW)
		LX F6.6-H	•	•	•	•	•	•	•	
	Lynx Home F ^{*1}	LX F9.8-H	•							
	Lynx Home F PLUS+ ²	LX F13.1-H	•	•	•		•	•	•	
	,	LX F16.4-H	•		•			•	•	
		LX F6.4-H-20								
		LX F9.6-H-20								
	Lynx Home F G2 ^{*3}	LX F12.8-H-20								
		LX F16.0-H-20								
		LX F19.2-H-20	•	•				•	•	
		LX F22.4-H-20								
GOODWE		LX F25.6-H-20								
		LX F28.8-H-20						•		
		GW60KWH-D-10						•		
		GW100KWH-D-10								•
	*4	GW100KWH-D-10 (Extension)								•
	Lynx C ^{*4}	LX C101-10								•
		LX C120-10								•
		LX C138-10								•
		LX C156-10								•
	Lynx Home D ^{*5}	LXD5.0-10	•	•	•			•	•	

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

*1. ARM firmware *2. ARM firmware *3. For compatibili requires ARM2 *5. For compatibili	ries: ET PLUS+, ET PLUS+ (1 ries: EH PLUSBB: versions 19 and above are reversions 23 and above are reversions 23 and above are reversions 23 and above are reversions 29 version 07 and ab ty, the ET/BT series requires A ty, the ET/BT series requires A gz/ET(40~50kW). Series reversions (15~30kW) Series reversions EX C101-10, LX, the ET (15~30kW) series reversions EX C101-10, LX, the ET(15~30kW) series reversions (15~10kW) series reversions (15~10kW	quired for compatibility, quired for compatibility. ARM25 and DSP09 vove. ARM28 and DSP versic	ersions and above; the n 12 and above. on 08 and above. SP version 06 and above. The maximum powers of the maximum powers of the maximum and by the number of the number o	ove. er of the ir spos and dels in the	eries r nverter above ET (1	equire	s ARM2	25 and DSP version	n 03 and ab	oove; the EH/BH series
Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH**	вт	ВН	EHB	ET (15-30kW)	ET G2	ET (40~50kW)
	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	• • •	• • • •	•	•	•	•	•	
BYD	Battery-Box Premium HVS ⁻²	HVS 5.1 HVS 7.7 HVS 10.2 HVS 12.8	•	•	•	•	•	•	•	
	BATTERYMAX LITE ^{*3}	LITE 30 LITE 37.5 LITE 45 LITE 52.5 LITE 60 LITE 67.5								•

^{*} Including ET Series: ET PLUS+, ET PLUS+ (16A)
** Including EH Series :EH PLUS
ET/EH/BT/BH/EHB:

ETICH/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.

ET15~30kW:

*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. The maximum charge/discharge current of single-cluster HVS battery is 25A, ET30kW with single-cluster HVS battery will not be able to reach the nominal maximum charge/discharge power of the inverter.ET15~30 series with HVM battery maximum charging and discharging current of 40A.

*2. BYD HVM 11.0 is used with ET15~30kW inverters, inverter version must be ARM 09/DSP08 or above.

ET 40~50kW:

*3. ARM firmware versions 08 and above are required for compatibility.

Battery Brand	Battery Series	Battery Model	ET (5-10kW)	EH**	ВТ	вн	EHB	ET (15-30kW)	ET G2	ET (40~50kW)
	FLEX 8.6									
	RESU FLEX Series*1	FLEX 12.9								
LG		FLEX 17.2								
LG	RESU Type-R Series	RESU10H_Type-R								
	RESU Prime Series ²	RESU10H Prime								
	RESU FIIIIle Selles	RESU16H Prime								

^{**.}Including EH Series :EH PLUS EH/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.



2) High-voltage Energy Storage Systems

Battery	Battery	Battery		Inverter Series								
Brand	Series	Model	EH**	вн	ET (15~30kW)	ET G2	ET (40~50kW)					
	Powercube H1 Series*1	POWERCUBE-H1-48	•	•								
DVLON	Force H1 Series*2	Force-H1	•	•		•						
PYLON	Force H2 Series	Force-H2	•	•		•						
	Force H3 Series*3	Force-H3	•	•		•						

^{**.}Including EH Series :EH PLUS

- *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.

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

 *3. ARM firmware versions 14 and above are required for compatibility. Please note that the nominal voltage of Force H3 Series must be within the Battery Voltage Range of GoodWe inverters. Maximum 4 units for EH/BH.
- *3. Please note that the nominal voltage of Force H3 Series must be within the Battery Voltage Range of GoodWe inverters. Maximum 6 units for ET G2

Battery Brand	Battery Series	Battery Model	EH**	ВН	ET (15~30kW)	ET G2	ET (40~50kW)
		Tower T7	•	•		•	
		Tower T10	•	•	•	•	
	Tower Series*1	Tower T14	•	•	•	•	
		Tower T17			•	•	
		Tower T21			•	•	
DYNESS		Tower Pro TP7				•	
		Tower Pro TP11			•	•	
	Tower Pro Series*2	Tower Pro TP15			•	•	
		Tower Pro TP19			•	•	
		Tower Pro TP23			•	•	
	STACK100 ⁺³	STACK100			•		

^{**.}Including EH Series :EH PLUS

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

- *1. ARM firmware versions 01 and above are required for compatibility.
- *2. ARM firmware versions 01 and above are required for compatibility.

- ET 15~30K:
 *1. ARM firmware versions 08 and above are required for compatibility.
- *2. ARM firmware versions 08 and above are required for compatibility.
- *3. ARM firmware versions 08 and above are required for compatibility.

 Note that ET15~30K only supports 5~13 modules of STACK100 batteries, the inverter will be damaged if the number of batteries does not match.

Battery Brand	Battery Series	Battery Model	EH**	BH	ET (15~30kW)	ET G2	ET (40~50kW)
Soluna HV Battery Series →	Soluna 7K Pack HV	•	•				
	HV Battery Series*1	Soluna 10K Pack HV	•	•			
		Soluna 15K Pack HV					

^{**.}Including EH Series :EH PLUS **EH/BH/EHB:**

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

Battery Brand	Battery Series	Battery Model	EH**	ВН	ET (15~30kW)	ET G2	ET (40~50kW)
iPotisEdge	Mint-JKE ^{*1}	Mint-JKE5	•	•			
		Mint-JKE10	•	•			
		Mint-JKE15	•	•			
		Mint-JKE20	•	•			

^{**.}Including EH Series :EH PLUS EH/BH/EHB:

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



3) Commercial and Industrial Energy Storage Systems

Battery Brand	Pottom Corico	Battery Model	Inverter Series			
Ballery Brailu	Battery Series	Battery Model	ETC	втс		
GOODWE	Lynx C series ⁻¹	LX C 101-10	•	•		
		LX C 120-10	•	•		
		LX C 138-10	•	•		
		LX C 156-10	•	•		

ETC 50kW/BTC 50kW:

- 1: EMS firmware versions 02 and above are required for compatibility.
- 1. EMS firmware versions 00 and above are required for compatibility.

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

Bottom/ Brand	Pottomy Corios	Pattory Model	Inverter Series					
Battery Brand	Battery Series	Battery Model	A-ES A-BP	A-BP	ES-US20	SBP-US20		
	SECU-S*1	SECU-S13	•	•				
		SECU-S15	•	•				
		SECU-S18	•	•				
GoodWe		SECU-S20	•	•				
Goodyve	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:
- ²2. ARM firmware versions 03 and above are required for compatibility.

A-ES/A-BP:
*2. ARM firmware versions 24 and above and DSP versions 07 and above are required for compatibility.

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	•	•		
ВТБ		HVL 24.0	•	•		
		HVL 28.0	•	•		
		HVL 32.0	•	•		
A EC/A DD.						

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
	LBS102100A Series*1	LBS102100A	•	•		
OLOID	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 7K Pack HV	•	•	•	•
Soluna	HV Battery Series*1*2	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 ES-US20/SBP-US20

- 1. ARM firmware versions 07 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 Type-R Series*2*3	RESU10H_Type-R	•	•		
LG	RESU Prime Series*1*4	RESU10H Prime	•	•		•
	RESO FIIITIE SEITES	RESU16H Prime		•		

- A-ES/A-BP:

 *1. ARM firmware versions 20 and above and DSP versions 05 and above are required for compatibility.

 *2. When A-BP is compatible with LG RESU HV Series, the micro-grid applications are not supported.

 *3. The compatibility of A-ES/A-BP with LG RESU10H Type-R is stated as follows:

 1) Connection of RESU10H Type-R batteries in parallel is not supported.

 2) For first inverter operation with LG battery, the inverter must be powered by the grid for the LG battery to be activated.

 3) LG RESU10H Type-R battery Max discharge power is 5kW. Please ensure backup load peak power does not exceed 5kVA in backup mode. Loads with large inrush current (such as inductive loads including motors) may lead to output failure on backup side.

 4) Depending on real-time battery condition, such as SOC, battery temperature etc, the battery output power may not be able to support backup load, which could lead to system failure. If this occurs, both battery and backup supply will cease. Power will resume if there is solar power available.

 5) LG battery needs time to switch from charge to discharge up to the preset power. Quickly switching from on-grid mode to backup mode could fail if backup load power is
- 5) LG battery needs time to switch from charge to discharge up to the preset power. Quickly switching from on-grid mode to backup mode could fail if backup load power is higher than the max power ramp-up the battery can sustain within a limited time.

 *4. ARM firmware versions 05 and above and DSP versions 02 and above are required for compatibility.