ES/EM/SBP/BP:

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



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	Battery	Battery			Inverte	er Series		
Brand	Series	Model	ES	EM	SBP	ES G2	SBP G2	ВР
000014/5	SECU-A	SECU-A5.4L	•	•	•	•	•	•
GOODWE	Lynx Home U ^{*1}	LX U5.4-L	•	•	•	•	•	•
S/EM/SBP/BP:	-							
	ersions 11 and above are required for comp							
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2	BP
	Battery-Box Pro Series*1	-	•	•	•	•	•	•
	Battery-Box Res Series*1	-	•	•	•	•	•	•
BYD	Battery-Box LV Series*2	-	•	•	•	•	•	•
	Battery-Box Premium LVL*2	LVL 15.4	•	•	•	•	•	•
	Battery-Box Premium LVS Series*2	-	•	•	•	•	•	•
2. ARM firmware v	ersions 00 and above are required for compersions 07 and above are required for comp	patibility.				1		
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2	BP
		RESU 3.3*1	•	•		•	•	
		RESU 6.5*1	•	•	•	•	•	
LG	RESU LV Series	RESU 10 ^{*1}	•	•	•	•	•	
LG	RESO EV Selles	RESU 12 ^{*2}	•	•	•	•	•	
		RESU 13*2	•	•	•	•	•	
		RESU 6.4 EX ^{*1}	•	•	•	•	•	
	ersions 00 and above are required for compersions 07 and above are required for comp Battery Series		ES	EM	SBP	ES G2	SBP G2	BP
-	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	•	•	•	•	•	
2. ARM firmware v	ersions 00 and above are required for compersions 07 and above are required for comp							
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2	BP
		DYNESS-LV x1	•	•	•	•	•	•
	DYNESS-LV Series*1	DYNESS-LV x2	•	•	•	•	•	•
DYNESS —	DINESS-LV SCHES	DYNESS-LV x3	•	•	•	•	•	•
		DYNESS-LV x4	•	•	•	•	•	•
		POWERBOX F-2.5	•	•	•	•	•	•
					1	1		
	DOWEDBOY E Corice*1	POWERBOX F-5.0	•	•	•	•	•	•
	POWERBOX F Series ^{*1}	POWERBOX F-5.0 POWERBOX F-7.5	•	•	•	•	•	•



Battery Compatibility Overview

1) Low-voltage Energy Storage Systems

Battery	Battery	Battery			Inverte	er Series		
Brand	Series	Model	ES	EM	SBP	ES G2	SBP G2	ВР
	LBS051100A Series*1	LBS051100A-A02	•			•	•	
OLOID	LBS051100A Series	LBS051100A-A03	•			•	•	
OLOID	LBS051200A Series ^{*1}	LBS051200A-A02	•			•	•	
	LBS051200A Series	LBS051200A-A03	•			•	•	
ES: *1. ARM firmware v	ersions 12 and above are required for compa	atibility.						
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2	ВР
		Soluna 4K Pack	•	•	•	•	•	
Soluna	LV(48V) Battery Series	Soluna 5K Pack	•	•	•	•	•	
		Soluna EOS 5K Pack	•	•	•	•	•	
Battery Brand	Battery Series	Battery Model	ES	ЕМ	SBP	ES G2	SBP G2	ВР
	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.

0.7.1.1		pationity.						
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2	ВР
		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 version	ons 12 and above are required for co	ompatibility.		1		1	'	
Battery Brand	Battery Series	Battery Model	ES	EM	SBP	ES G2	SBP G2	ВР
SolarMD	SolarMD SS Series	-	•			•	•	

ES

Battery Brand

UZENERGY

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

Battery Series

L051100-A Series

Battery Model

L051100-A^{*1}

ΕM

SBP

ES G2

SBP G2

BP



Battery Compatibility Overview

2) High-voltage Energy Storage Systems

Battery	Battery	Battery		lr	nverte	r Serie	es	
Brand	Series	Model	ET (5-10kW)*	EH	ВТ	вн	ЕНВ	ET (15-30kW)
		LX S7.5-H		•		•	•	
	Lynx Home S [™]	LX S10-H	•	•	•	•	•	
		LX S13-H	•	•	•	•	•	
	Lyfix noffie 5	LX S15-H	•	•	•	•	•	
GOODWE		LX S18-H	•	•	•	•	•	
GOODWE		LX S20-H	•	•	•	•	•	
		LX F6.6-H	•	•	•	•	•	•
	Lynx Home F ⁻² Lynx Home F PLUS+ ⁻²	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 14 and above are required for compatibility.
- *2. ARM firmware versions 19 and above are required for compatibility.

Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	ВТ	ВН	EHB	ET (15-30kW)
	Battery-Box HV Series*1	-	•	•	•	•		
Battery-Box Premium HV		HVM 8.3		•		•	•	
		HVM 11.0	•	•	•	•	•	•
	Dottory Doy Dromium LIV/M*2	HVM 13.8	•	•	•	•	•	•
	Ballery-Box Premium nvivi	HVM 16.6	•	•	•	•	•	•
BYD ^{*3}		HVM 19.3	•	•	•	•	•	•
		HVM 22.1	•	•	•	•	•	•
		HVS 5.1	•	•	•	•	•	•
Battery-Box Pr	Dattony Day Dramium LIVC*2	HVS 7.7	•	•	•	•	•	•
	ballery-box Premium HVS	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.

Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	вт	вн	EHB	ET (15-30kW)
		FLEX 8.6	•					
	RESU FLEX Series*1	FLEX 12.9	•					
1.0		FLEX 17.2	•					
LG	RESU Type-R Series	RESU10H_Type-R					•	
	RESU Prime Series ^{*2}	RESU10H Prime					•	
	KESO FIIITIE SEITES	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	Battery	Battery		lr	nverte	Serie	es	
Brand	Series	Model	ET (5-10kW)*	EH	ВТ	вн	ЕНВ	ET (15-30kW)
	Powercube H1 Series	POWERCUBE-H1-48 ^{*1*3}	•	•	•	•		•
PYLON	Force H1 Series*2*3	Force-H1	•	•	•	•	•	•
	Force H2 Series ^{*2*3}	Force-H2	•	•	•	•	•	•

^{*.} Including ET Series: ET PLUS+, ET PLUS+ (16A)

ET/EH/BT/BH/EHB:

ET15-30kW:

^{*3.} ARM firmware versions 02 and above are required for compatibility.

Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	ВТ	вн	ЕНВ	ET (15-30kW)
		Tower T7		•		•	•	
DYNESS Tower Set	Tower Carine*1	Tower T10	•	•	•	•	•	
	Tower Series	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	вт	вн	ЕНВ	ET (15-30kW)
		Soluna 7K Pack HV		•		•		
Soluna	HV Battery Series ^{*1}	Soluna 10K Pack HV	•	•	•	•		
		Soluna 15K Pack HV	•		•			

^{*.} Including ET Series: ET PLUS+, ET PLUS+ (16A)

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

117 11 1111 11111111111111	Toronomo no ama aborto aro roganioa for							
Battery Brand	Battery Series	Battery Model	ET (5-10kW)*	EH	ВТ	вн	ЕНВ	ET (15-30kW)
		Mint-JKE5		•		•		
iDetioEdge	Mint-JKE ^{*1}	Mint-JKE10		•		•		
iPotisEdge	WIIII-JNE	Mint-JKE15	•	•	•	•		
		Mint-JKE20	•	•	•	•		

^{*.} Including ET Series: ET PLUS+, ET PLUS+ (16A)

3) Commercial and Industrial Energy Storage Systems

Pottoni Prond	Pottom, Sorios	Pattory Model	Inverte	r Series
Battery Brand	Battery Series	Battery Model	ETC	втс
BYD	BATTERY-BOX Commercial Series	C90	•	•

^{*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.

ET/EH/BT/BH/EHB:

ET/EH/BT/BH/EHB:

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



Battery Compatibility Overview

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

				Inverter Series	
Battery Brand	Battery Series	Battery Model	A-ES	A-BP	ES-US20
		SECU-S13	•	•	20 0020
		SECU-S15	•	•	
GoodWe	SECU-S	SECU-S18	•	•	
		SECU-S20	•	•	
A-ES/A-BP:		SECU-520			
	14 and above are required for compatible	lity.			
Battery Brand	Battery Series	Battery Model	A-ES	A-BP	
		HVL 12.0	•	•	
		HVL 16.0	•	•	
DVD	Datter Day Drawiyya LIV/I *1	HVL 20.0	•	•	
BYD	Battery-Box Premium HVL*1	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	
	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 compatibi	lity.			
Battery Brand	Battery Series	Battery Model	A-ES	A-BP	
		Soluna 7K Pack HV	•	•	
Soluna	HV Battery Series*1	Soluna 10K Pack HV	•	•	
		Soluna 15K Pack HV	•	•	
A-ES/A-BP: 1. ARM firmware versions	10 and above are required for compatibi	lity.			
Battery Brand	Battery Series	Battery Model	A-ES	A-BP	
	RESU Type-R Series*2*3	RESU10H_Type-R	•	•	
LG	DEOULD: 0 : *1	RESU10H Prime	•	•	•
	RESU Prime Series*1	RESU16H Prime	•	•	•

- *1. ARM firmware versions 20 and above and DSP versions 02 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 5 kVA 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 higher than the max power ramp-up the battery can sustain within a limited time.