

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 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/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 ^{*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 | ● | ● | ● | ● | ● |
| | US5000 Series ^{*3} | 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 ^{*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 | ● | ● | ● | | |
| | DYNESS-LV Series ^{*2} | DL5.0C × 1 | | | | ● | ● |
| | | DL5.0C × 2 | | | | ● | ● |
| | | DL5.0C × 3 | | | | ● | ● |
| | | DL5.0C × 4 | | | | ● | ● |
| | ES/EM/SBP/BP: *1. ARM firmware versions 07 and above are required for compatibility. ES G2/SBP G2: *2. ARM firmware versions 06 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. | | | | | |

GoodWe Battery Compatibility Overview-20230906-EMEA-EN-V029.1 Information may be subject to change without notice.

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+ ² Lynx Home F G2 ³ | LX F6.6-H | ● | ● | ● | ● | ● | ● | |
| | | LX F9.8-H | ● | ● | ● | ● | ● | ● | |
| | | LX F13.1-H | ● | ● | ● | ● | ● | ● | |
| | | LX F16.4-H | ● | | ● | | | ● | |
| | | LX F9.6-H-P20 | ● | ● | ● | ● | ● | | |
| | | LX F12.8-H-P20 | ● | ● | ● | ● | ● | | |
| | | LX F16.0-H-P20 | ● | ● | ● | ● | ● | | |
| | | LX F19.2-H-P20 | ● | ● | ● | ● | ● | | |
| | | LX F22.4-H-P20 | ● | | ● | | | | |
| | | LX F25.6-H-P20 | ● | | ● | | | | |
| *. Including ET Series: ET PLUS+, ET PLUS+ (16A) ET/EH/BT/BH/EHB: *1. ARM firmware versions 19 and above are required for compatibility. *2. ARM firmware versions 23 and above are required for compatibility. *3. ARM firmware versions 23 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 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. 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. *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 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. | | | | | | | |
| Battery Brand | Battery Series | Battery Model | ET (5-10kW)* | EH | BT | BH | |
| WTS | WTS Power-CORE 1.0 ^{*1} | 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 ^{*1} | 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 | ● | | ● | | |
| ET/BT: *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 ^{*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. ETC 100K: *1. EMS firmware versions 00 and above are required for compatibility. | | | | |