

# APPROVED BATTERY OPTIONS STATEMENT



Licensed Partner

This statement covers all GE energy storage products. Please find details below.  
Only batteries listed below are approved for connection to GE storage inverters.

Battery Brand	Battery Series	Battery Model	Inverter Series		
			GEH-1U-10	GEH-1U-US10	GEC-1U-US10
BYD	Battery-Box Premium HVM**1	HVM 8.3	●		
		HVM 11.0	●		
		HVM 13.8	●		
		HVM 16.6	●		
		HVM 19.3	●		
		HVM 22.1	●		
	Battery-Box Premium HVS**1	HVS 5.1	●		
		HVS 7.7	●		
		HVS 10.2	●		
	Battery-Box Premium HVL**1	HVL 12.0		●	●
		HVL 16.0		●	●
		HVL 20.0		●	●
		HVL 24.0		●	●
		HVL 28.0		●	●
		HVL 32.0		●	●

**Note:**

1. ARM firmware versions 11 and above are compatible with Battery-Box Premium HVM/HVS/HVL.

Battery Brand	Battery Series	Battery Model	Inverter Series
			GEH-1U-10 (HSB)
GOODWE	LX F-H**1	LX F6.6-H	●
		LX F9.8-H	●
		LX F13-H	●

**Note:**

1. ARM firmware versions 19 and above are compatible with GOODWE LX F-H Series.

Battery Brand	Battery Series	Battery Model	Inverter Series		
			GEH-1U-10	GEH-1U-US10	GEC-1U-US10
LG Chem	RESU HV	RESU10H Type-R**1	●	●	●
		RESU10H_Prime	●	●	●
		RESU16H_Prime	●	●	●

**Note:**

1. When GEC US10 Series is compatible with LG RESU HV Series in use, the micro-grid applications are not supported.
2. Recommendations for connecting RESU10H Type-R to GEH, GEH US10 and GEC US10 Series:
  - 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.

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- 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.

## Specific Terms

### Procedures for approved use of new lithium batteries not listed herein

The Manufacturer conditionally provides CAN communication protocol of BMS, upon request.

Based on the communication protocol provided by the Manufacturer, the battery supplier is required to first test compatibility with GE inverters.

The Manufacturer shall further conduct and verify the compatibility test with the new battery to determine the final approval. The list is subject to changes and updates will be published from time to time. Please contact the Manufacturer for technical consultation on new batteries not on the approved list to verify if any compatibility test is required. Any unauthorized battery connections made without prior authorization from the Manufacturer will NOT be covered by Limited Warranty for GE-branded Solar Inverters.

### \* Other Terms

Users are reminded that although GEH series are technically compatible and capable of achieving good results with lead-acid batteries, Lithium-ion batteries with direct communication to the charging device are the preferred battery choice. Use of lead-acid or other similar batteries requires experienced and precise design, installation and maintenance to keep the battery working functionally. Failing to do so may lead to battery failure, compatibility issue or other damages to the solar system. Users should first contact the Manufacturer for technical consultation and obtain official confirmation prior to installing any battery not included in the official published compatibility list, including but not limited to lead-acid battery.

Unless there is a specific agreement between the inverter manufacturer and the battery manufacturer, for all battery packs NOT listed herein but have completed the compatibility test with GE inverters, the installer/system integrator shall be responsible for battery safety, as well as system performance and reliability. The Manufacturer shall guarantee proper inverter performance under normal working conditions within the standard warranty term and provide limited technical support if applicable. However, the Manufacturer shall assume no liability on any system malfunction or any incurred loss or damages whatsoever.

Failing to follow the instructions above or failing to provide correct battery information will render warranty for GE-branded Solar Inverters null and void. The Manufacturer shall NOT be liable for any consequences arising therefrom. The Manufacturer reserves the right of final interpretation.