

List of Compatible Inverters
with LG Energy Solution Home Battery

RESU

RESU10H Prime
RESU16H Prime

Compatible storage Inverters with RESU Prime

All RESU installations require a compatible inverter. Using a non-approved inverter will void the warranty provided by LG Energy Solution. See below important instructions when installing and using RESU Prime.




- 1) Battery/Hybrid inverters should operate in **On-Grid only. (Not in Off-Grid)**
- 2) For On-Grid applications where Back-up mode may be sometimes utilized, the backed up circuits and inverters AC draw must not exceed the battery current limit specifications.

Following list of Inverters are currently compatible with LG Energy Solution home battery, RESU Prime Series. And, Complied with UL1741 and UL9540.

※System (battery and inverter) is UL9540 compliant when the battery is paired with a UL1741 compliant inverter.

[US]

※ More compatible inverters will be added.

INVERTER			BATTERY		REMARK
Brand	Model	Software Version ¹⁾	RESU10H Prime	RESU16H Prime	
	SE3000H-US SE3800H-US SE6000H-US SE7600H-US SE10000H-US SE11400H-US	4.13 or above	○	○	- SolarEdge HomeHub Inverter (Backup Capable with SolarEdge Backup Interface)
	SBS3.8-US SBS5.0-US SBS6.0-US	3.12.23.R or above		○	- Can use in Back-up Mode - Multi-battery operation mode is available - Battery software package version : 23.12.0.R or above - In case of blackout the battery must not manually be switched off and on via the breaker since this will hinder the blackstart ability of the system. Only use the secure power supply /blackstart switch of the inverter
	GW5000A-ES GW6000A-ES GW7000A-ES GW7600A-ES GW8600A-ES GW9600A-ES	Master DSP 04 Slave DSP 04 ARM 17	○	○	
	GW5000A-BP GW6000A-BP GW7000A-BP GW7600A-BP GW8600A-BP GW9600A-BP	Master DSP 06 Slave DSP 06 ARM 22	○		

1) Only compatible with the software versions which are mentioned above.

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[US]

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INVERTER			BATTERY		REMARK
Brand	Model	Software Version ¹⁾	RESU10H Prime	RESU16H Prime	
	MIN 3000TL-XH-US MIN 3800TL-XH-US MIN 5000TL-XH-US MIN 6000TL-XH-US MIN 7600TL-XH-US MIN 8200TL-XH-US MIN 9000TL-XH-US MIN 10000TL-XH-US MIN 11400TL-XH-US	UEaa-05/ZAcA-05 UEaa-21/ZAcA-21	○	○	- Can use in Back-up Mode
	GEH5.0-1U-10 GEH8.6-1U-10 GEH10-1U-10	ARM 20 or above	○	○	

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Following list of Inverters are currently compatible with LG Energy Solution home battery, RESU Prime Series.

[EU]

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Brand	Model	Software Version ¹⁾	RESU10H Prime	RESU16H Prime	
	SE2200H SE3000H SE3500H SE3680H SE4000H SE5000H SE6000H SE8000H SE10000H	4.13 or above	○	○	<ul style="list-style-type: none"> - Requires Storage Interface (SESTI-S4) - Part number with O4 at the end includes storage interface (ex. SEXXXH-RWS00BNO4)
	SBS3.7 SBS5.0 SBS6.0	3.12.23.R or above	○	○	<ul style="list-style-type: none"> - Can use in Back-up Mode - Multi-battery operation mode is available - Battery software package version : 23.12.0.R or above - In case of blackout the battery must not manually be switched off and on via the breaker since this will hinder the blackstart ability of the system. Only use the secure power supply /blackstart switch of the inverter

1) Only compatible with the software versions which are mentioned above.

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- 2) For On-Grid applications where Back-up mode may be sometimes utilized, the backed up circuits and inverters AC draw must not exceed the battery current limit specifications.
- 3) Custom Conduit Gland for AU must be installed – Cobalt Solar Part (CSE-CHG-3/4NPT-H3-5.5-1B)

Following list of Inverters are currently compatible with LG Energy Solution home battery, RESU Prime Series. It is installer’s responsibility to check that compatible inverters have required Standards approvals

[AU]

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Brand	Model	Software Version ¹⁾	RESU10H Prime	RESU16H Prime	
	SE3000H SE5000H SE6000H SE8000H SE8250H SE10000H	4.13 or above	○	○	- SolarEdge HomeHub Inverter (Part Number : SEXXXXH-AU) (Backup Capable with SolarEdge Backup Interface) - SolarEdge Genesis Inverter (Requires Storage Interface SESTI-S4 or DC Combiner Box)
	SBS5.0	3.12.03.R or above	○	○	- Can use in Back-up Mode, but not Secure Power Supply compatible : battery will not charge during blackout - Inverter software package version: 3.12.0.R or above required. - If the Inverter has firmware 1.02.73.R to 1.50.19.R then it will need to be updated to 3.11.64.R and then 3.12.03.R
	GEH5-10kW	DSP05 or above	○	○	- Can use in Back-up mode

1) Only compatible with the software versions which are mentioned above.



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