List of Compatible Inverters
with LG Energy Solution Home Battery

Prime

10H Prime
16H Prime

LG Energy Solution

Compatible storage Inverters with Prime

All 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 Prime.

Following list of Inverters are currently compatible with LG Energy Solution home battery, 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
			10H Prime		16H Prime		
Brand	Model	Software Version [1]	BMS	DC/DC	BMS	DC/DC	
solaredge	SE3000H-US SE3800H-US SE6000H-US SE7600H-US SE10000H-US SE11400H-US	4.21.23 or above	V2.6.3.4	V1.4.0.0	V2.6.3.4	V1.4.0.0	- SolarEdge HomeHub Inverter (Backup Capable with SolarEdge Backup Interface)
SMA	SBS3.8-US SBS5.0-US SBS6.0-US	3.12.23.R or above			V2.5.4.4	V1.4.0.0	- 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
GOODWE	GW5000A-ES GW6000A-ES GW7000A-ES GW7600A-ES GW8600A-ES GW9600A-ES	DSP 05, ARM 20 or above	V2.5.4.4	V1.4.0.0	V2.5.4.4	V1.4.0.0	
	GW5000A-BP GW6000A-BP GW7000A-BP GW7600A-BP GW8600A-BP GW9600A-BP	DSP 05, ARM 20 or above	V2.5.4.4	V1.4.0.0	V2.5.4.4	V1.4.0.0	
	GW5000SBP-US20 GW6000SBP-US20 GW7600SBP-US20 GW9600SBP-US20 GW11400SBP-US20	DSP 02, ARM 05 or above	V2.5.4.4	V1.4.0.0	V2.5.4.4	V1.4.0.0	

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

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

[US]

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INVERTER			BATTERY				REMARK
			10H Prime		16H Prime		
Brand	Model	Software Version [1]	BMS	DC/DC	BMS	DC/DC	
GROWATT	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	V2.5.4.4	V1.4.0.0	V2.5.4.4	V1.4.0.0	- Can use in Back-up Mode
GE	GEH5.0-1U-US10 GEH6.0-1U-US10 GEH7.0-1U-US10 GEH7.6-1U-US10 GEH8.6-1U-US10 GEH9.6-1U-US10	DSP 05, ARM 20 or above	V2.5.4.4	V1.3.0.0	V2.5.4.4	V1.3.0.0	
GE	GEC5.0-1U-US10 GEC6.0-1U-US10 GEC7.0-1U-US10 GEC7.6-1U-US10 GEC8.6-1U-US10 GEC9.6-1U-US10	DSP 05, ARM 20 or above	V2.5.4.4	V1.3.0.0	V2.5.4.4	V1.3.0.0	
LG Energy Solution ESS Battery Division	SHB-G1-096-US	DSP 02, ARM 07 or above	V2.5.4.4	V1.3.0.0	V2.5.4.4	V1.3.0.0	
DELTA	E4-TL-US E6-TL-US E8-TL-US E10-TL-US	03.01.16 or above	V2.5.4.4	V1.4.0.0	V2.5.4.4	V1.4.0.0	
solis	S6-EH1P3.8K-H-US S6-EH1P5K-H-US S6-EH1P7.6K-H-US S6-EH1P10K-H-US S6-EH1P11.4K-H-US	V02B15D01 or above	V2.6.3.4	V1.4.0.0	V2.6.3.4	V1.4.0.0	

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

[EU]

※ More compatible inverters will be added.

INVERTER			BATTERY				REMARK
Brand	Model	Software Version [1]	10H Prime		16H Prime		
			BMS	DC/DC	BMS	DC/DC	
solaredge	SE2200H SE3000H SE3500H SE3680H SE4000H SE5000H SE6000H SE8000H SE10000H	4.21.23 or above	V2.6.3.4	V1.4.0.0	V2.6.3.4	V1.4.0.0	- Requires Storage Interface (SESTI-S4) - Part number with O4 at the end includes storage interface (ex. SEXXXH-RWS00BNO4)
SMA	SBS3.7 SBS5.0 SBS6.0	3.12.23.R or above	V2.5.4.4	V1.4.0.0	V2.5.4.4	V1.4.0.0	- 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
solis	S6-EH3P5K-H-EU S6-EH3P6K-H-EU S6-EH3P8K-H-EU S6-EH3P10K-H-EU	V02B38D01 or above	V2.6.3.4	V1.4.0.0	V2.6.3.4	V1.4.0.0	- 3Phase Box of LG Energy Solution must be installed together with the PRIME for 3ph inverters - For 16H Prime with 3Phase box, it is compatible with Solis' 3-phase inverters produced after September 15, 2023[2] (10H Prime is compatible regardless of production date)
LG Energy Solution ESS Battery Division	SHH-G1-050-GL SHH-G1-060-GL	DSP 32, ARM 06 or above	V2.5.4.4	V1.3.0.0	V2.5.4.4	V1.3.0.0	

1) Only compatible with the software versions which are mentioned above.
2) To determine the production date of a Solis inverter, please refer to its serial number.
   The 8th and 9th digits indicate the year, the 10th digit indicates the month, and the 11th and 12th digits indicate the day of production.
   For example a serial number 10330X023915XXXX would mean that prime inverter was produced on 15th September 2023.

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Brand	Model	Software Version [1]	10H Prime		16H Prime		
			BMS	DC/DC	BMS	DC/DC	
SUNGROW	SH5.0RT SH6.0RT SH8.0RT SH10RT SH5.0RT-20 SH6.0RT-20 SH8.0RT-20 SH10RT-20	SAPPHIRE-H_03011.51.07 & SAPPHIRE-H_01011.51.08 or above	v2.6.3.4 or above	v1.4.0.0 or above	v2.6.3.4 or above	v1.4.0.0 or above	- 3Phase Box of LG Energy Solution must be installed together with the PRIME for 3ph inverters - Only single-battery operation mode is available with 3Phase Box - RMD(Battery Gateway) of LG Energy Solution must be connected to the internet for the battery FW OTA

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