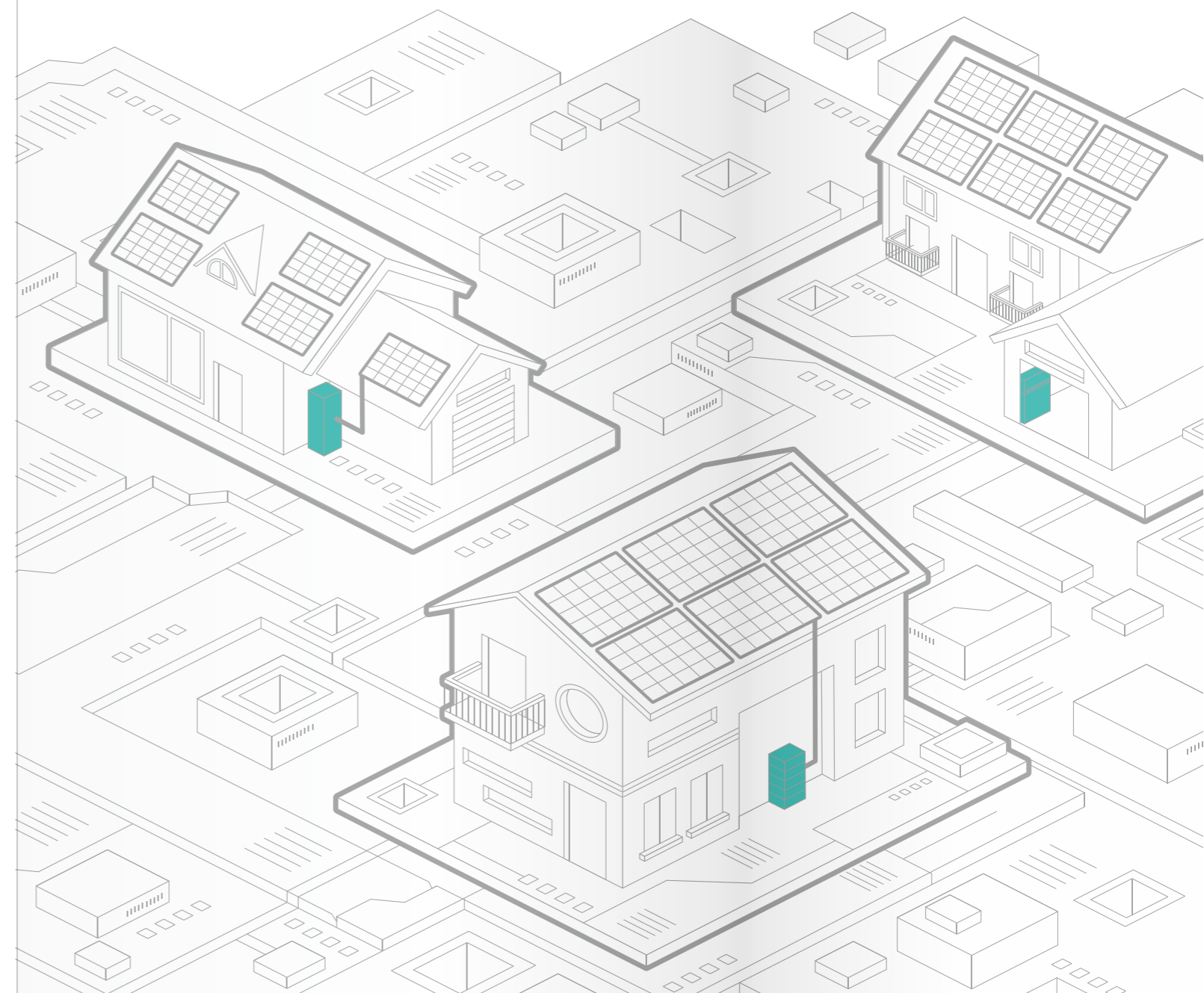


Change Your Energy, Charge Your Life

Residential Storage System



ENGLISH
Version 3.0
August 2023



LG Energy Solution
Website



LG Energy Solution
ESS Battery Website

Change Your Energy, Charge Your Life

LG Energy Solution Residential Storage System



Top Battery Technology

The best material and an innovative production process called Lamination & Stacking maximizes battery density and efficiency, and safety through unique designs with a pouch cell and internal short circuit prevention.

Abundance of Choices

Our diverse line-up of energy capacities, power, and designs allows the optimal configuration which meets customer needs and provides the best value for any solar system. LG Energy Solution's Residential Storage System has a wide range of capacities with various product line-ups and provides various voltage.

Diversity of Compatibility

LG Energy Solution's Residential Storage System maximizes installation flexibility by being compatible not only with single-phase inverters but also with various three-phase inverters. Additionally, LG Energy Solution provides a seamless all-in-one service experience from batteries to inverters by equipping the system with its own inverter.

Customer-centric Service

Our Residential Storage System provides professional installation services with our over 10,000 certified installers who are highly knowledgeable about the product through continuous training. A long-term warranty is also provided guaranteeing up to ten years for all Residential Storage System models.

LG Energy Solution







Residential Storage System Global Line-ups

LG Energy Solution offers various Residential Storage System models to fulfill diverse needs of homeowners.

Residential Storage System with Scalable Design

<p>NEW</p> <p>LG enblock S </p> <ul style="list-style-type: none"> Stackable Design Boltless Structure UL 9540A Certification 	<p>NEW</p> <p>LG enblock E </p> <ul style="list-style-type: none"> Slim Enclosure Design Flexible Installation Options UL 9540A Certification (TBD) 	<p>FLEX </p> <ul style="list-style-type: none"> Innovative Hybrid Design Various Configuration UL 9540A Certification 
<p>10.6kWh 5kW(Rated) / 7kW(Peak)</p> <p>14.1kWh 6kW(Rated) / 9kW(Peak)</p> <p>17.7kWh 7kW(Rated) / 11kW(Peak)</p>	<p>12.4kWh 6.2kW</p> <p>15.5kWh 7.7kW</p>	<p>8.6kWh 4.3kW(Rated) / 5kW(Peak)</p> <p>12.9kWh 6.5kW(Rated) / 7kW(Peak)</p> <p>17.2kWh 8.5kW(Rated) / 11kW(Peak)</p>
<ul style="list-style-type: none"> ✓ 1Phase ✓ 3Phase (with 3Phase box) 	<ul style="list-style-type: none"> ✓ 1Phase ✓ 3Phase 	<ul style="list-style-type: none"> ✓ 1Phase ✓ 3Phase

Residential Storage System with Compact Design

<p>Prime </p> <ul style="list-style-type: none"> One-brand Solution with LGES Inverter Whole Home Backup <p>Total Sales of 70,000 units (as of May 2023)</p> 	<p>LG enblock C </p> <ul style="list-style-type: none"> One-brand Solution with LGES Inverter Compact & Sleek Design <p>Total Sales of 76,000 units (as of May 2023)</p> 	<p>One-brand Solution</p> <p>LG Energy Solution now offers a comprehensive all-in-one service that includes the battery and inverter.</p> <hr/> <p>HV Residential Storage System with Prime</p>  <p>SHB Inverter SHH Inverter</p> <hr/> <p>LV Residential Storage System with enblock C</p>  <p>SLH Inverter</p>
<p>9.6kWh 5kW(Rated) / 7kW(Peak)</p> <p>16kWh 7kW(Rated) / 11kW(Peak)</p>	<p>5.9kWh 4.2kW(Rated) / 4.6kW(Peak)</p> <p>8.8kWh 5kW(Rated) / 7kW(Peak)</p> <p>11.7kWh 5kW(Rated) / 7kW(Peak)</p>	
<ul style="list-style-type: none"> ✓ 1Phase ✓ 3Phase (with 3Phase box) ✓ LGES 1Phase inverter is available 	<ul style="list-style-type: none"> ✓ 1Phase ✓ 3Phase ✓ LGES 1Phase inverter is available 	

LG enblock



BUILD UP YOUR ENERGY

Energy completes your home. It's the power that moves life forward, bringing happiness to your family.

With LG enblock, all the energy you source can be stored in a solid home battery system—the core foundation of your home. Feel safe and secure, as LG enblock ensures energy of uncompromised reliability.

Your personal home energy uplifts you to a fuller, more peaceful life. It's the starting point of a stable household and all the activities, relationships, and liveliness that happen in a happy home.

NEW

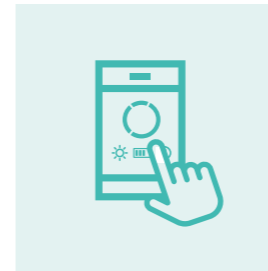
LG enblock S

Introducing ideal energy solutions, designed for you. With LG enblock S, you can easily build up your energy capacity and power as needed.



Customized Capacity & Power

Energy perfectly matching your needs. LG enblock modules give you the freedom to choose a capacity by stacking 3 to 5 modules, and effortlessly scale up by adding another module when you need more power. Achieve maximum power output up to 14kW with a two-battery system parallel connection, for whole home backup.



Smart Monitoring

Track your energy info with a tap. Check your app to see your energy consumption and solar production in real-time. One glance tells you how much energy you've used, and how much money you've saved. You can also get a comprehensive summary report of your carbon savings and costs.

* The app's design and features will be updated sequentially



Easy & Convenient Installation

Flexibility to install your battery wherever you want it. From wall-mounted to floor-standing, our advanced structure and solid base bracket ensure secure installation on any surface, indoors or out. Plus, seamlessly fast and smooth installation means you can power up in minutes.



Safety First

Complete confidence from proven reliability. Enblock batteries meet the UL 9540A level test criteria, preventing thermal runaway for more stable, reliable performance with no overheating. Now you can place your battery anywhere, with total peace of mind.

- ✓ **Modular Design**
- ✓ **Boltless Structure**
- ✓ **Plug-in Connector**

Seamless Setup Saves Time

Quick and simple installations. Even one person working alone can easily transport and install enblock batteries, thanks to the stackable modular system. The boltless structure and plug-in connector reduce setup time and costs, so you can install more batteries faster.

Specifications

LG enblock S



		S10	S14	S17
Image				
Dimensions	Width	535mm (21.1")		
	Height	854mm (33.6")	1,050mm (41.3")	1,246mm (49")
	Depth	351mm (13.8")		
Weight		121 kg (266.5lb)	156 kg (343.6lb)	191 kg (420.7lb)
Chemistry		NCM		
Compatible Inverter Brands	1Phase	Delta, GoodWe, Solis, Growatt		
Electrical Characteristics				
Usable Energy ¹ @77°F(25°C)		10.6kWh	14.1kWh	17.7kWh
Voltage Range	Charge	420-450Vdc		
	Discharge	350-410Vdc		
Max. Charge/Discharge Power		5 kW	6 kW	7 kW
Peak Power ²		7 kW	9 kW	11 kW
Communication Interface		RS485/CAN		
Scalability		Max. 2 in parallel		
Operating Conditions				
Installation Location		Indoor / Outdoor		
Installation Type		Floor Standing / Wall Mount		
Operating Temperature	Charge	14 - 122°F (-10 - 50°C)		
	Discharge	-4 - 122°F (-20 - 50°C)		
Operating Temperature (Recommended)		59 - 86°F (15 - 30°C)		
Certification & Reliability				
Safety	Cell	UL1642, IEC62619		
	Battery Pack	CE,RCM,UL1973, IEC62619, UL9540A		
EMC & Transportation		FCC & UN38.3 (UNDOT)		
Ingress Rating		IP55		
Mechanical Characteristics (BCU, BMA)				
		BCU	BMA	
Image				
Dimensions	Width	535mm (21.1")		
	Height	234mm (9.2")	196mm (7.7")	
	Depth	351mm (13.8")		
Weight		14 kg (30.8lb)	35 kg (77.1lb)	
* Bottom plate Assy - 1) Dimensions (Height) : 32mm (1.3") 2)Weight: 2kg (4.4lb)				
Available Accessory				
Name		Wall-mounted Bracket	Base Bracket	

* Test Conditions - Temperature 77°F (25°C), at the beginning of life

* Usable Energy is measured under specific condition from LGES(0.3CCCV/0.3CC)

1. DOD 100% | 2. Peak Current excludes repeated short duration (less than 10 sec. of current pattern).

Product specification may change without notice

NEW

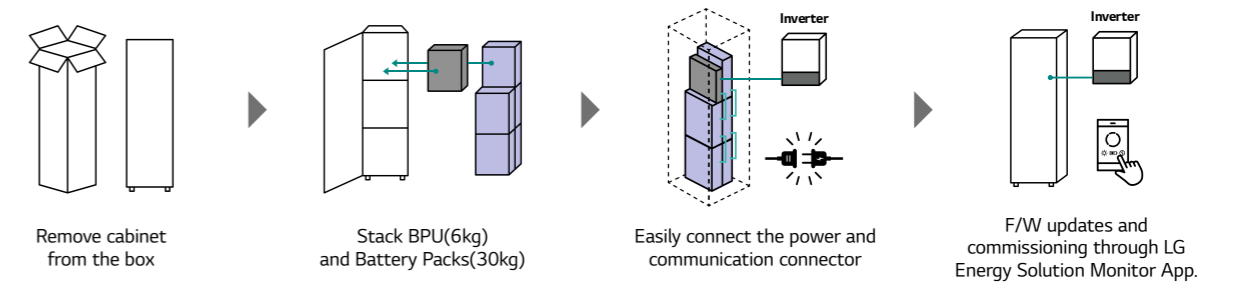
LG enblock E

The LG enblock E is designed to help you save space and energy. Thanks to its cabinet-type design, it is compact, easy to transport, and allows for effortless installation in any location.



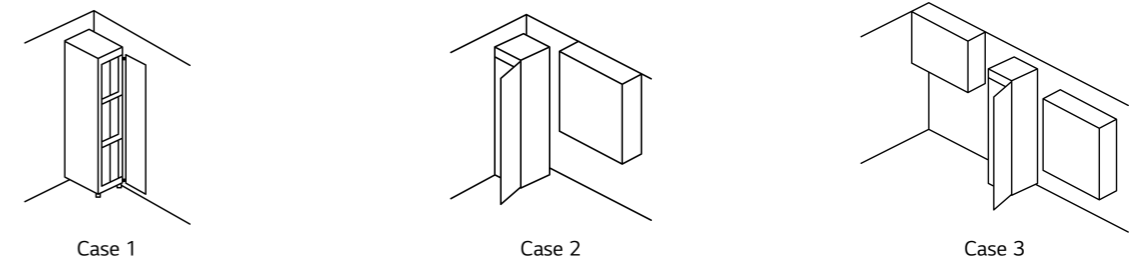
Quick & Easy Installation

The LG enblock E guarantees a quick and easy installation process, resulting in substantial time and cost savings. Its cabinet-type design facilitates effortless transportation to any location, while its All Connector type simplifies the process of connecting power and communication connectors.



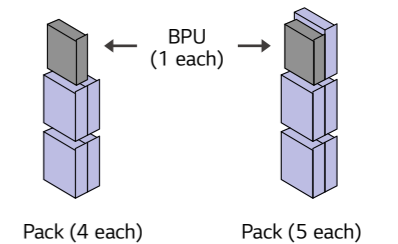
Flexible Installation Options

The highly versatile LG enblock E is compact in size, making it suitable for installation in narrow spaces. Its cabinet design with doors offers even greater installation flexibility. Moreover, its IP55 rating enables secure setup indoors and outdoors, which gives users more placement options.



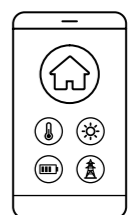
Easy Expansion

LG enblock E Packs provide the freedom to select capacity that meets your energy needs. You can increase the battery capacity by adding an extra Pack, as needed. The compact size and light weight of the modular pack and BPU make it effortless and convenient to expand the capacity.



Smart Monitoring

Track your energy info with a tap. Check your app to see your energy consumption and solar production in real-time. One glance tells you how much energy you've used, and how much money you've saved. You can also get a comprehensive summary report of your carbon savings and costs. * The app's design and features will be updated sequentially



Specifications

LG enblock E



		E12	E15
BPU			
<p>6kg</p>		<p>49 kg</p>	
Battery Pack		<p>451 x 1,573 x 330mm</p>	
<p>30kg</p>			
Chemistry		LFP	
Electrical Characteristics	Max. Power	0.5CP	
	Usable Energy	12.4 kWh	15.5 kWh
	Nom. Voltage	231.8 V	289.8 V
	System Protection Voltage	1,000V	
	Communication Interface	CAN / RS485	
Operating Conditions	Installation Location	Indoor / Outdoor	
Enclosure	Dimension	451 x 1,573 x 330mm	
	Protection Class	IP55	
Inverter	Certification	IEC62619:2017 / EN62477-1	
Compatible Inverter Brands	3Phase	Sungrow, Fronius, Solis, Goodwe, SMA	

Product specification may change without notice

FLEX

FLEX is a premium Residential Storage System luxuriously designed to customers' desired features and performance built upon the skill and devotion of engineers and designers dedicated to the pursuit of perfection.



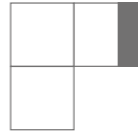
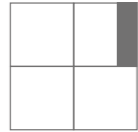
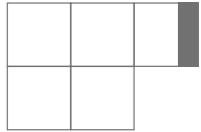
Innovative Hybrid Design

FLEX is a highly flexible hybrid Residential Storage System allowing the free arrangement of battery units for up to thirty-six different configurations delivering customized capacity and design.




Three Different Home Configurations

FLEX offers three home configurations tailored to each household energy usage pattern.


<p>LIGHT</p>  <ul style="list-style-type: none"> • Daily use for bill savings • Back up critical loads in emergency 	<p>STANDARD</p>  <ul style="list-style-type: none"> • A powerful solution for energy independence • Cover energy consuming devices • Back up entire home* 	<p>COM- PLETE</p>  <ul style="list-style-type: none"> • A versatile solution with wide application from home to small C&I
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Battery Protection Unit Battery Module * This function is dependent on the functionality of the inverter.



Easy Expansion and Replacement

Easily replaceable and expandable within the warranty period by adding or removing battery units as per the customer's desire.



Smart Monitoring

Check your app to see your energy consumption and solar production in real-time. One glance tells you how much energy you've used, and how much money you've saved. * The app's design and features will be updated sequentially



International Safety Certified

FLEX is internationally certified including UL(UL9540A indoor / outdoor), IEC and CE certification through enhanced durable cell technology and pack design.

Specifications

FLEX

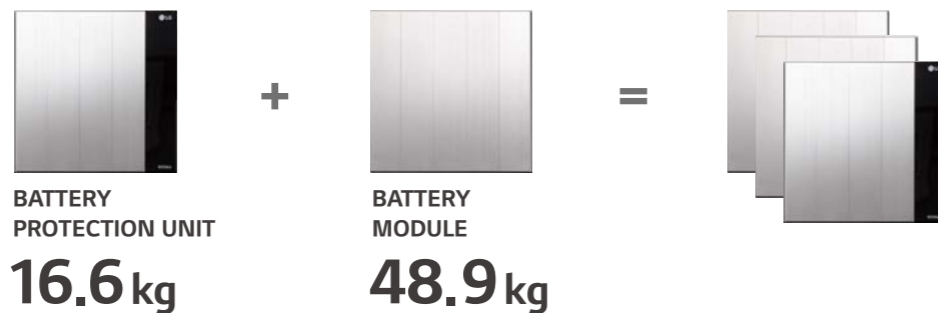


Floor-standing type



Wall-mounted type

Flexibility

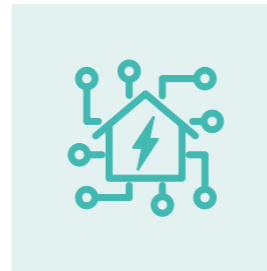


	8.6	12.9	17.2
Image			
Number of Battery Modules	2	3	4
Energy Capacity	8.6 kWh	12.9 kWh	17.2 kWh
Power (Rated/Peak)	4.3 / 5 kW	6.5 / 7 kW	8.5 / 11 kW
Voltage	192 to 265.6 V DC Nom. 235 V DC	288 to 398.4 V DC Nom. 352 V DC	384 to 531.2 V DC Nom. 470 V DC
Dimension (W × H × D)	665.2 mm × 665.2 mm × 148.4 mm		
Weight	Battery Module ¹	48.9 kg	
	Battery Protection Unit	16.6 kg	
Chemistry	NCM		
Efficiency	>95%		
Communication Interface	RS485, CAN		
Scalability	Up to 2		
Installation Location	Indoor / Outdoor		
Installation Type	Floor-Standing & Wall Mounting		
Operating Temperature [°C]	Charge	-10 ~ 50	
	Discharge	-10 ~ 50	
Operating Temperature (Recommended)	20 ~ 30		
Ingress Rating	IP55		
Certification	Cell	UL1642, IEC62619	
	Battery Pack	CE, RCM, UL1973, IEC62619, IEC62477-1, UL9540A, FCC, IEC61000-6-1/-2/-3	
Warranty	70% @10 years (Global)		
Compatible Inverter Brands	3Phase	Kostal, GoodWe, Fronius, SMA	

1. Without Design Cover
 * All values provided for 25°C
 Product specification may change without notice

PRIME+

Introducing Prime+, a complete energy storage system that pairs the Prime battery with LG Energy Solution's SHB Inverter. It is designed to deliver best-in-class reliability and peace of mind, in a robust and easy to install package.



Whole Home Backup Ready

Prime+ covers an average day's electricity use with various storage sizes up to 32kWh. Its maximum energy and high-power output (up to 9.6kW) keeps appliances running even during power outages.



Retrofit Friendly

Prime+ is an intelligent and economical choice for a PV system. It is fully compatible with existing PV Systems for Partial Home Backup and Whole Home Backup, eliminating the need to search for separate energy storage systems.



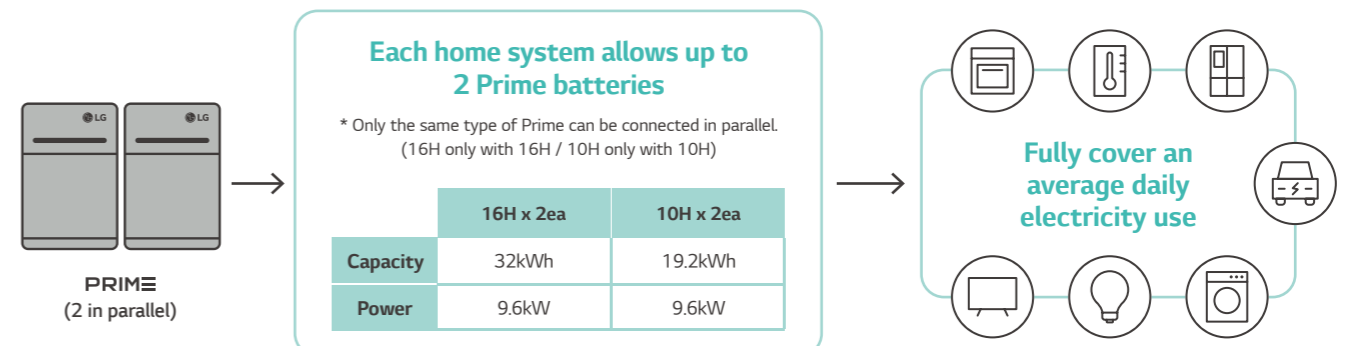
Convenient All-in-one Service

From battery to inverter, LG Energy Solution offers a convenient all-in-one service. The Global Customer Portal (GCP) platform makes service requests easier than by phone. You can also check service progress and inform LG Energy Solution of issues via the app.



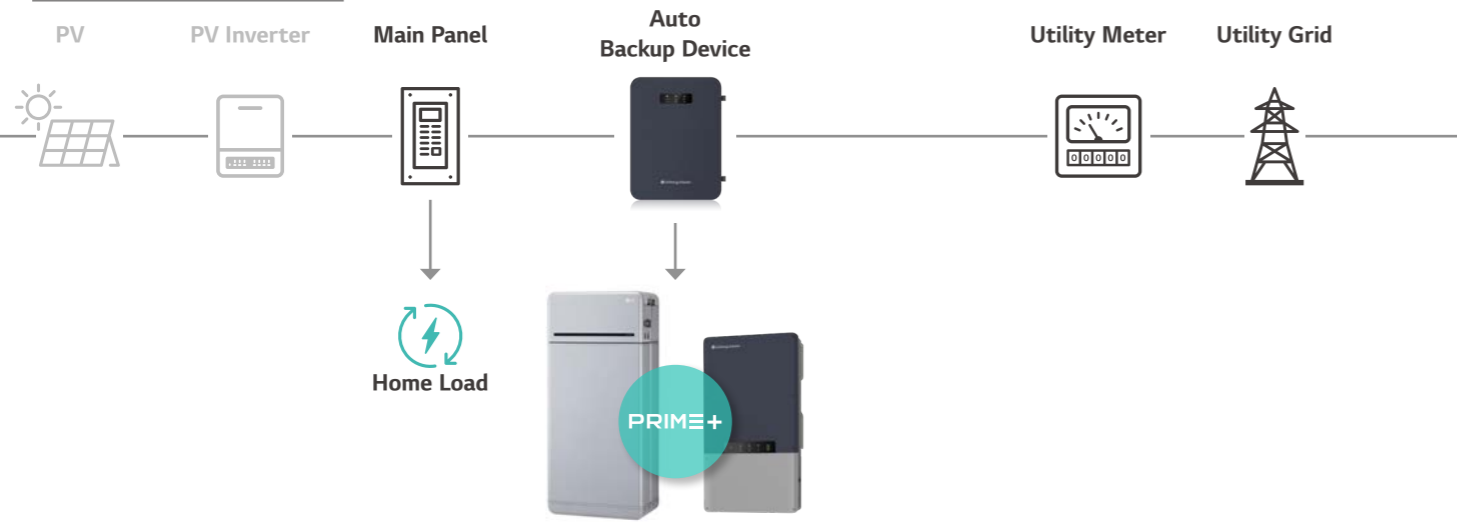
Fast and Simple Installation

Prime+ makes the installation process shorter than ever. It takes less than 10 minutes for full inverter and battery commissioning, substantially lifting the time burden for the installers.

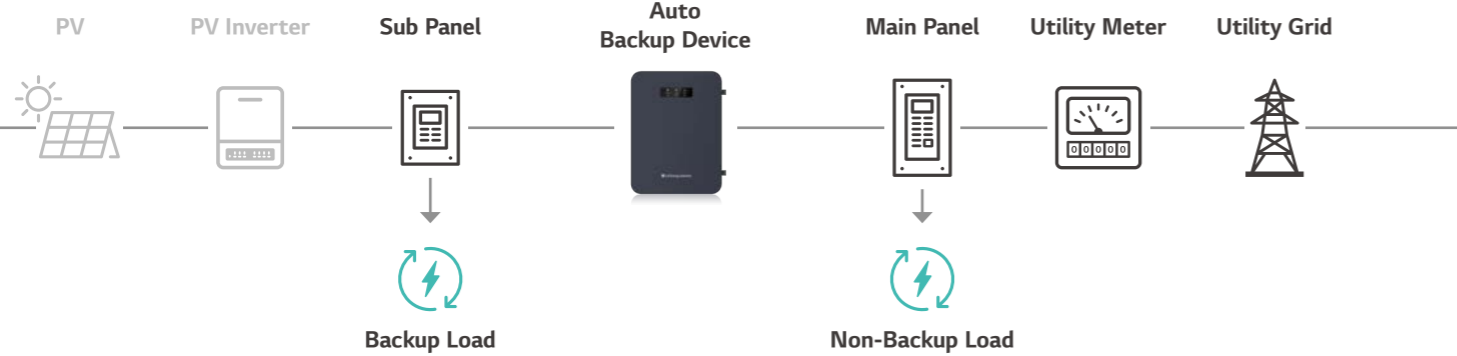


How Prime+ works

Whole Home Backup



Partial Home Backup



Meet LG Energy Solution's Inverter and Auto Backup Devices



Inverter
(SHB-G1-096-US)



Auto Backup Device

Inverter Specification

Nominal Output Power (On-Grid) [kVA]	9.6
Nominal Output Power (Off-Grid) [kVA]	9.6
Peak Output Power (Off-Grid, 60sec) [kVA]	11.52
Nominal Output Voltage [V]	240 / 120 (Split Phase)
Nominal AC Grid Frequency [Hz]	60
Max Continuous AC Current [A]	40
Efficiency [%]	Max 97 (CEC 96)
Inverter Circuit Breaker Max Overcurrent [A]	63
Dimension [W x H x D, in]	Inverter : 19.1 x 35.4 x 7.5 ABD : 17.7 x 24 x 5.9
Weight [lb]	Inverter : 74.7 ABD : 26
Operating Temperature [°F]	-13~140
Communication	Bluetooth, Wifi, 4G

Product specification may change without notice

Battery Specifications

		16H	10H
Image			
Usable Energy (DoD 100%) [kWh]		16	9.6
Power (Rated/Peak) [kW]		7 / 11	5 / 7
Voltage [V]		350-450	
Round-trip Efficiency [%]		> 90	
Storage Power Consumption [W]		< 0.1	
Dimension [W x H x D, in]		19.8 x 42.8 x 11.6	19.8 x 32.2 x 11.6
Weight [lb]	Total	351	244
	Module	286 (143 x 2EA)	180 (90 x 2EA)
	Control Unit	53	
	Connect Plate	11	
Chemistry		NCM	
Installation Type		Floor-standing	Floor-standing & Wall-mounted
Scalability		Up to 2 units (32kWh / 14kW)	Up to 2 units (19kWh / 10kW)
Operating Temperature [°F]	Charge	-14~122	
	Discharge	-4~122	
Operating Temperature (Recommended) [°F]		59~86	
Ingress Rating		IP55	
Warranty		70% @10 years (Global)	
Communication		CAN & RS485	
Certificates	Cell	UL 1642	
	Product	CE/FCC/RCM/IEC62619 UL1973/IEC62477	
Compatible Inverter Brands	1Phase	SolarEdge, SMA, GoodWe, Growatt, GE, Delta, Solis	
	3Phase	SMA, Sungrow, Solis, Goodwe	

Product specification may change without notice

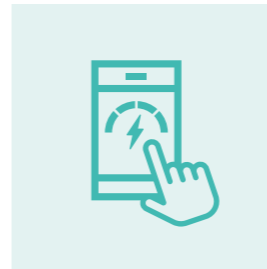
HV Residential Storage System

LG Energy Solution's HV Residential Storage System is a total system solution that combines the 400V HV battery with a new single-phase hybrid SHH inverter. This seamless solution caters to diverse capacity and voltage needs, providing peace of mind.



Easy Installation

Prime's unique modular design enables easier handling and installation. Moreover, the SHH inverter's plug & play design and simple commissioning process will dramatically reduce installation time.



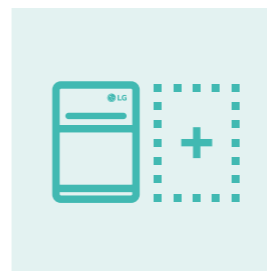
Smart Monitoring & Control

The LG Energy Solution monitoring app makes real-time monitoring of solar energy production and home energy consumption possible. It also proactively detects anomalies for quick diagnosis and remote troubleshooting.



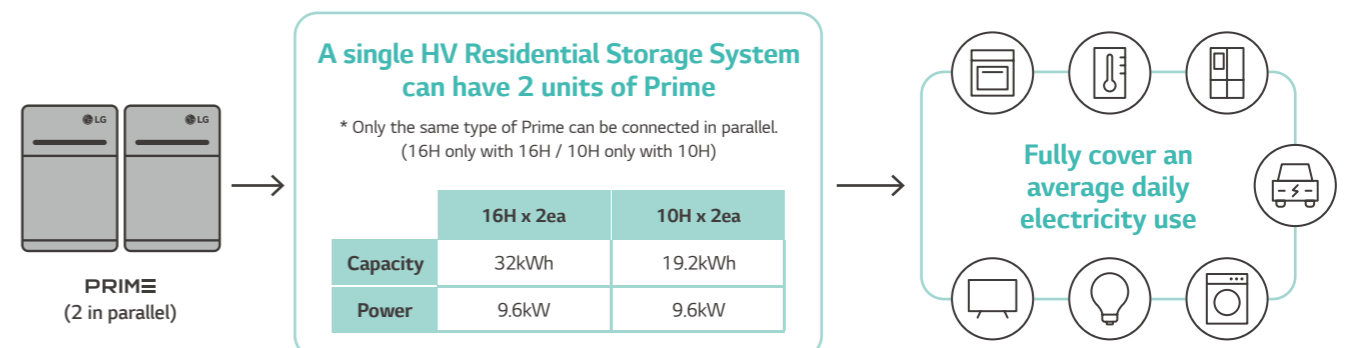
Convenient All-in-one Service

LG Energy Solution offers a single technical and service support point covering batteries and inverters. The Global Customer Portal (GCP) App makes service requests and progress checks more effortless than ever.



Excellent Scalability

HV Residential Storage System is a perfect choice, whether for a small or a large capacity. You can quickly expand Prime batteries to two units with an expansion kit, and connect the SHH inverter in parallel based on your needs.




Battery Specifications

		16H	10H
Image			
Usable Energy (DoD 100%) (kWh)		16	9.6
Power (Rated/Peak) (kW)		7 / 11	5 / 7
Voltage (V)		350-450	
Round-trip Efficiency (%)		> 90	
Storage Power Consumption (W)		< 0.1	
Dimension (W x H x D, mm)		504 x 1,086 x 295	504 x 817 x 295
Weight (kg)	Total	159	111
	Module	130 (65 x 2EA)	82 (41 x 2EA)
	Control Unit	24	
	Connect Plate	5	
Chemistry		NCM	
Installation Type		Floor-standing	Floor-standing & Wall-mounted
Scalability		Up to 2 units (32kWh / 14kW)	Up to 2 units (19kWh / 10kW)
Operating Temperature (°C)	Charge	-10-50	
	Discharge	-20-50	
Operating Temperature (Recommended) (°C)		15-30	
Ingress Rating		IP55	
Warranty		70% @10 years (Global)	
Communication		CAN & RS485	
Certificates	Cell	UL 1642	
	Product	CE/FCC/RCM/IEC62619	
		UL1973/IEC62477	
Compatible Inverter Brands	1Phase	SolarEdge, SMA, GoodWe, Growatt, GE, Delta, Solis	
	3Phase	SMA, Sungrow, Solis, Goodwe	

Product specification may change without notice

Inverter Specifications

	SHH-G1-050-GL	SHH-G1-060-GL
Image		
PV-String		
Max Input Power (W)	7500	9750
Max Input Voltage (V) ¹	600	
MPPT Operating Voltage Range (V) ²	80-550	
Start-up Voltage (V)	95	
Nominal Input Voltage (V)	380	
Max. Input Current per MPPT (A)	13	
Max. Short Circuit Current per MPPT (A)	16.3	
Number of MPPT	3	
AC Output Data (On-Grid)		
Max Power Output (VA) ³	5000	6000
Nominal Output Voltage (V)	230	
Nominal AC Frequency (Hz)	50	
Max AC Current Output (A)	23	28.5
Output Power Factor	-1 (Adjustable from 0.8 leading to 0.8 lagging)	
Max THD	< 3%	
AC Output Data (Back-up, Off-Grid)		
Max Power Output (VA)	5000	6000
Max Power Output w/ only Battery (VA)	5000	6000
Peak Power Output (VA) ⁴	6000, 60s	7800, 60s
Max Continuous Output Current (A)	23	28.5
Nominal Output Voltage (V)	230 (±2%)	
Nominal AC Frequency (Hz)	50 (±0.2%)	
Efficiency PV	Max 97.6% (CEC 97.6%)	
Efficiency Battery to AC	Max 96.5%	
Automatic Switch Time (ms)	< 10	
General Data		
Operating Temperature Range (°C)	-35-60	
Relative Humidity (%)	0-95%	
User Interface	LED & App (Bluetooth, Wifi)	
Weight (kg)	28.8	32.3
Dimension W x H x D (mm)	415 x 791 x 175	

1. Inverter will not work when PV input voltage ≥ 585 V | 2. When there is no battery connected, inverter starts feeding in only if string voltage is higher than 200V
 3. The grid feed in power for VDE-AR-N-4105 and NRS097-2-1 is limited to 4600VA | 4. Can be reached only if PV and battery power is enough
 Product specification may change without notice

LV Residential Storage System

LG Energy Solution's LV Residential Storage System is a total system solution that combines the enblock C battery with a new single-phase hybrid SLH inverter. This seamless solution caters to diverse capacity and voltage needs, providing peace of mind.



Compact Design

The compact and sleek design maximizes space efficiency and allows system installation without any space constraints, indoors and outdoors.



Easy Installation

LG Energy Solution SLH inverter's plug & play design and simple commissioning process will dramatically save installation time.



Smart Monitoring & Control

The LG Energy Solution monitoring app makes real-time monitoring of solar energy production and home energy consumption possible. It also proactively detects anomalies for quick diagnosis and remote troubleshooting.



Convenient All-in-one Service

LG Energy Solution offers a single technical and service support point covering batteries and inverters. The Global Customer Portal (GCP) App makes service requests and progress checks more effortless than ever.



Excellent Scalability


LV Residential Storage System is a perfect choice, whether for a small or a large capacity. You can quickly expand enblock C batteries to two units with an expansion kit, and connect the SLH inverter in parallel based on your needs.

Battery Specifications

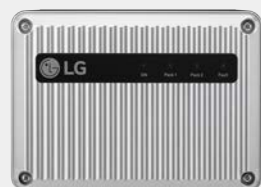
		C6.5	C10	C12
Image				
Total Energy (kWh) ¹		6.5	9.8	13.1
Usable Energy (kWh) ²		5.9	8.8	11.7
Capacity (Ah)		126	189	252
Nominal Voltage (V)		51.8		
Voltage Range (V)		42.0-58.8		
Round-trip Efficiency (%)		> 95%		
Max Power (kW)		4.2	5.0	
Peak Power (kW) (for 3 sec.)		4.6	7.0	7.0 / 11.0 (Backup Mode)
Dimension (W x H x D, mm)		452 x 656 x 120	452 x 484 x 227	452 x 626 x 227
Weight (kg)		52	75	99
Chemistry		NCM		
Installation Type		Floor-standing & Wall-mounted		
Operational Temperature (°C)		-10-45		-10-50
Enclosure Protection Rating		IP55		
Warranty		60% @10 years (Global)		
Communication		CAN2.0B		
Certificates	Cell	UL1642		
	Product	UL1973/TUV (IEC 62619) / CE / FCC / RCM		TUV (IEC 62619) / CE / FCC / RCM
Compatible Inverter Brands	1Phase	SMA, Sungrow, SolaX, Ingeteam, Victron, GoodWe, Selectronic, Western co, Solaredge, Solis, Viessmann, SOFAR Solar, DEYE		

1. Total Energy is measured at the initial stage of battery life under the condition as follows : Temperature 25°C
 2. Usable Energy is based on battery cell only
 Product specification may change without notice

Inverter Specifications

	SLH-G1-050-GL	SLH-G1-060-GL
Image		
PV-String		
Max Input Power (W) ¹	7500	9000
Max Input Voltage (V)	600	
MPPT Operating Voltage Range (V)	80-550	
Start-up Voltage (V)	80	
Nominal Input Voltage (V)	360	
Max. Input Current per MPPT (A)	16	
Max. Short Circuit Current per MPPT (A)	23	
Number of MPPT	2	
Number of Stings per MPPT	1	
AC Output Data (On-Grid)		
Max Power Output (VA)	5000	6000
Nominal Output Voltage (V)	220/230/240	
Nominal AC Frequency (Hz)	50/60	
Max AC Current Output (A)	22.7	27.3
Output Power Factor	-1 (Adjustable form 0.8 leading to 0.8 lagging)	
Max THD	< 3%	
AC Output Data (Back-up, Off-Grid)		
Max Power Output (VA)	5000	6000
Max Power Output w/ only Battery (VA)	5000	5000
Nominal Output Voltage (V)	220/230/240	
Nominal AC Frequency (Hz)	50/60	
Max THDv (@ Linear Load)	< 3%	
Efficiency PV	Max 97.6% (European 97%)	
Efficiency Battery to AC	Max 95%	
General Data		
Operating Temperature Range (°C)	-25-60	
Relative Humidity (%)	0-95%	
Max Operating Altitude (m)	4000, > 2000 Derating	
User Interface	LED & App (Bluetooth, Wifi)	
Weight (kg)	20	
Dimension W x H x D (mm)	505.9 x 434.9 x 154.8	

1. Max power is the actual maximum operation power of PV
 Product specification may change without notice



LG enblock C Parallel Box

LG enblock C Parallel Box is an expansion kit specially designed for enblock C. With Parallel Box, enblock C6.5/10/12 can be cross-connect with each other.

- Dimension: 216 x 156 x 121 (W x H x D, mm)
- Number of Expandable Battery Units: Up to 2EA
- IP55

Established in
1947
and spun-off to new entity in
December 2020

Number of Employees
34,177
10,442 Domestic / 23,735 Overseas

Revenue
\$19.8B
(as of 2022)

R&D Investment
\$4.5B
(over the last 10 years)

Global Patents
26,641
8,574 Domestic / 18,067 Overseas
(as of 2022)

Battery Industry Global Leader

As a pioneer in the battery field, LG Energy Solution ushers in an era of future energy solutions with overwhelming technological leadership and expertise.



Pioneer of Battery Industry

Our challenge to become the first and best in the world continues with stellar accomplishments such as supplying the world's first automobile battery in 2009, developing the world's first free form battery in 2018, and mass producing the world's first NCMA high-capacity battery in 2021.



Global Presence

As a global energy leader with over 34,000 employees worldwide, we are expanding our R&D, production, and sales capabilities in five key regions: Korea, China, Europe, the United States, and Indonesia.



Expertise in Lithium-ion Battery

We have our roots in LG Chem which has been in the chemical business for almost a century. From this extensive knowledge, we provide the best lithium-ion battery with both performance and safety through continuous innovation at every stage from materials to design and quality control.



Commitment to Sustainability

We are fulfilling the corporate social responsibility of taking lead in climate action for future generations by practicing sustainable business innovation throughout the battery industry value chain.

Pioneer of Battery Industry

From 1992, lithium-ion battery research ushered in the beginning of Korea's battery history.

LG ENERGY SOLUTION HISTORY

1947
LG Chem Founded (start of LG Group)

1992
Began Lithium-Ion Battery Research

1996
Began Lithium-Ion Battery Development

1999
Mass-produced Cylindrical Lithium-Ion Batteries

2000
Mass-produced Pouch Batteries

2009
Supplied the World's First Mass-produced EV Batteries (GM Volt)

2010
Began ESS Battery Business

2012
Mass Production Of Residential Storage System

2014
Mass Production of ESS Battery Cell

2016
Won ees Europe Award with Gen2 Battery Series

2016
EuPD TOP BRAND PV – PV STORAGE

2016
MEDIA SOCIETY NETWORKS PLUS X Award

2017
Won ees Europe Award with Stand-alone Battery Pack

2017
EUPD RESEARCH TOP BRAND PV PV STORAGE GERMANY

2017
PLUS X AWARD LG Chem MOST INNOVATIVE BRAND 2016

2020
A Nomination as ees Europe Award Finalist with FLEX

2020.12
LG Energy Solution Established

2020
ees AWARD 2020 FINALIST

2021
A Nomination as ees Europe Award Finalist with PRIME

2021.4
Joined both RE100 and EV100 Initiatives, as the First Global Battery Manufacturer

2021
ees AWARD 2021 FINALIST

2023.6
LG enblock Launch

LG Energy Solution

RE100
EV100

Commitment to Sustainability

As the first battery manufacturer to join RE100 and EV100 at the same time, LG Energy Solution takes the lead in fulfilling its social promise for a sustainable future.

approx.
160 million tons*

LG Energy Solution reduced over 160 million tons of carbon dioxide continuing our effort with an unceasing sense of responsibility for our world's singular natural environment, local community, and future generations.



* CO₂ emission reduced as a result of LGES battery-installed green car sales, taking account of average CO₂ emission per internal combustion engine vehicle Notes: Cumulative sales of green cars installed with LGES batteries (approx. 2.78 million units)
※ Average CO₂ emissions per ICE vehicle (55.8 tons CO₂) Source: Greenpeace

LG Energy Solution's Action Plan for a Better Future

LG Energy Solution simultaneously committed to RE100 and EV100 and is actively participating in an international campaign to convert all electricity used on business sites to 100% renewable energy, and all company vehicles to 100% eco-friendly models by 2030.

RE 100

RE100 is an international campaign with the goal of providing 100% of electricity by companies and users with renewable energy such as wind/solar power by 2050.

LG Energy Solution Global Business Site RE100 Progress



Poland Plant 2019



U.S. Plant 2020



China Plant 2025



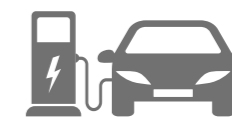
South Korea Plant 2025

EV 100

EV100 is an international campaign with the goal of converting corporate-owned/leased vehicles to 100% electric by 2030 to reduce CO₂ in the transport sector.



50%
Target by 2026



Continuous expansion of **EV Charging Stations** on business sites

Commitment to Sustainability

As the first battery manufacturer to join RE100 and EV100 at the same time, LG Energy Solution takes the lead in fulfilling its social promise for a sustainable future.

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※ Average CO₂ emissions per ICE vehicle (55.8 tons CO₂) Source: Greenpeace

LG Energy Solution's Action Plan for a Better World

LG Energy Solution simultaneously commencing its action plan for achieving 100% renewable energy, and all company

RE 100

RE100 is an international campaign for 100% renewable electricity by companies. LG Energy Solution is participating in an international campaign to achieve 100% solar power by 2030.

LG Energy Solution



EV 100

EV100 is an international campaign for 100% internally owned/leased vehicles in the transport sector.



50%
Target by 2026

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