

LG Solar



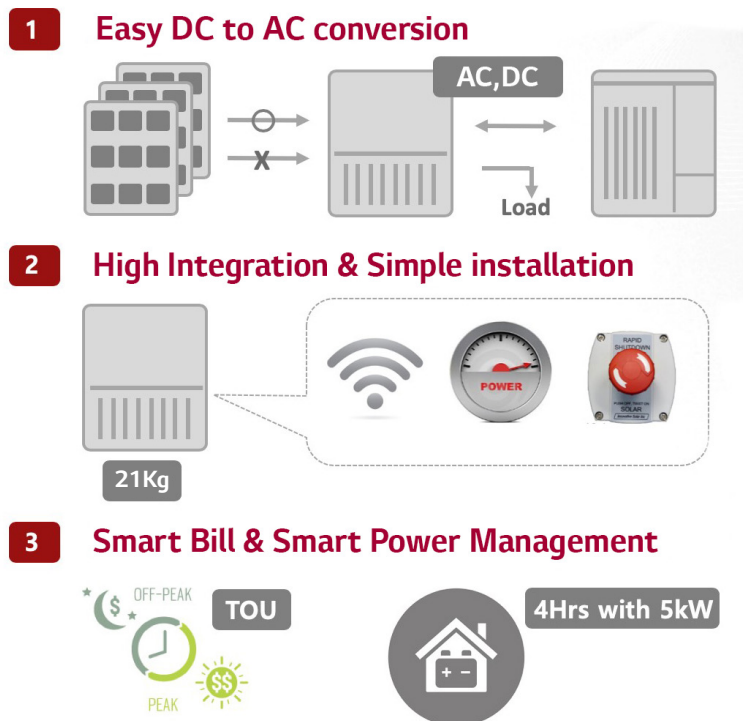
LG Electronics **Energy Storage System**

Reliable Energy Storage for Your Solar Customers



Why Choose the LGE Energy Storage System?

The LGE Energy Storage System provides three key benefits for your customers:



¹ "U.S. Energy Storage Monitor." Wood MacKenzie/Energy Storage Association. June, 2019. p. 8.

Features

Standard features of the LGE Energy Storage System include:



Quick and easy two-person professional installation



A compact and elegant design



A reliable, scalable Lithium-ion battery that can be sized up to 19.6kWh for a longer back-up time



A high-efficiency Power Conversion System (PCS) that achieves 97.5% CEC efficiency



Maximum of three strings with independent Maximum Power Point Tracking (MPPT) designed for multi-angled roofs



An integrated smart energy management system (EMS) that enables customers to control their electricity bill through self-consumption of solar and Time-of-Use (TOU) rate smart scheduling



Remote System Monitoring capability through a mobile app



A Back-up Mode that enables solar modules to power a home or charge the battery during a grid outage

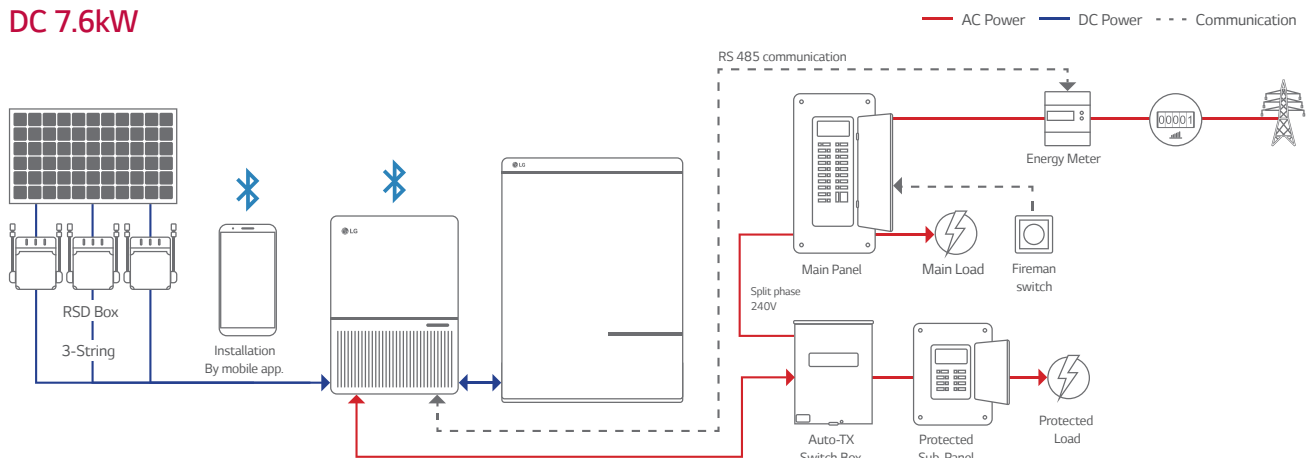


A “one-stop-shop” to respond to any service requirements for all components in the system, which are covered by a 10-Year limited warranty

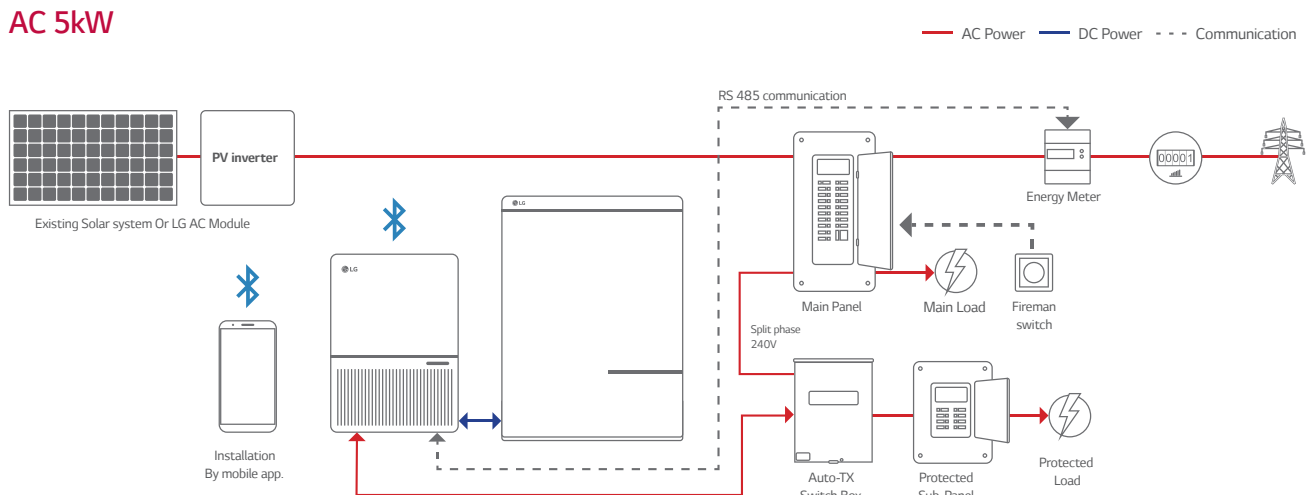
Solutions for New and Previously Installed Solar Systems

The LG Electronics Energy Storage System is offered as both an AC and DC coupled solution. The 7.6kW DC-coupled product can be installed as part of a new solar system, while the 5kW AC-coupled product is ideal for customers looking to add storage to an existing solar system.

DC 7.6kW



AC 5kW



Components and Specifications

The LGE Energy Storage System is an integrated energy storage system that arrives complete with the following components and specifications:

- Power Conversion System (PCS)
- Auto-Transfer Switch (ATS)
- Three Rapid Shutdown Boxes for NEC 2014 Compliance
- Primary Lithium-Ion Battery
- Energy Meter and 2 Current Transducers (CTs)
- Secondary Battery (Optional)



LGE Energy Storage System PCS



Primary Battery



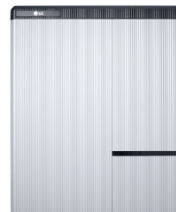
Auto-Transfer Switch



Energy Meter



Rapid Shutdown Box for NEC 2014 (DC-coupled only)



Secondary Battery (optional)

Specifications

- **LG AC-DC Bi-directional PCS**
- **Bi-directional PCS (Power Conditioning System)**



AC Output (On-Grid Mode)

Maximum Output Power	5000 W	8000 W
Grid Voltage Range	a) 240 V AC +10%/-12%, (L-L) b) 208 V AC +10%/-12%, (L-L)	
Maximum AC Current	24 A AC	32 A AC
Grid support compliance	UL 1741 SA, CA Rule 21, HECO	

AC Output (Off-Grid Mode)

Maximum Output Power	5000 W
AC Output Voltage Range	240 V AC
Maximum AC current	21 A

Mechanical Design

Dimensions	(W*L*H) 425 X 590 X 150 [mm]
Weight	21 kg / 46.3 lb
Enclosure Protection	NEMA Type 4
Warranty	10 years

DC Input

Absolute Maximum Input Voltage	450 V DC
Full Power MPPT Range	270 - 450 V DC
MPP Tracker	3

LG Electronic Product Line-up

PV Input

	LG AC 5kW	LG DC 7.6kW
Model Name	A005KEEN261	D007KEEN261

Battery Input / Output

Compatible Battery Pack Size	9.8 to 19.6 kWh @77°F(25°C) Max. 2 in parallel	
Rated I/O Power	5000 W	5000 W
Peak I/O Power (10 sec)	6000 W	7000 W

One-Stop-Shop for Our 10-Year Warranty

Because LG provides all components in the LGE Energy Storage System, you and your customers have only one company to contact when it comes to questions, service requests or warranty issues. The LGE Energy Storage System is covered by a 10-year limited warranty for all components.

Help Your Customers Be Ready for the Smart Home of the Future

The LGE Energy Storage System will store energy for smart scheduling and provide backup power as soon as it is installed. It will also help your customers be ready for the smart home of the future, in which LG Solar modules and the LGE Energy Storage System will have the capability to power everything from home appliances to electric vehicles, all while communicating through a single protocol. We envision these smart homes as “Smart Distributed Resources” that will improve grid stability.



Getting Certified to Install the LGE Energy Storage System

Ready to get started? LG Solar provides training sessions to certify installers in the installation process for the LGE Energy Storage System. Getting certified and offering the LG Energy Storage System can give you one more edge over the competition.

If you'd like to attend or schedule an Energy Storage System training seminar or would like to inquire about purchasing, contact Jan Dominguez at jan.dominguez@lge.com.

The future of energy is now. For more information on providing the LGE Energy Storage System to your customers, [**CONTACT LG SOLAR TODAY.**](#)

