

Take Control with the LG Electronics Energy Storage System

LG Solar



The LG Electronics ESS is a state-of-the-art home Energy Storage System (ESS) designed for homeowners who want to take control of their home energy usage. The LG ESS features quick and easy installation for installers, a compact and elegant design, a reliable, scalable battery and an integrated smart energy management system (EMS). The ESS is offered in both AC-coupled and DC-coupled configurations.

The 7.6kW DC-coupled solution with an integrated high-efficiency PV inverter is well-suited for new Solar PV + Storage installations. It enables homeowners to seamlessly store excess solar energy to power their home when their modules are not producing electricity (such as at night).

The 5kW AC-coupled solution is ideal for customers looking to install an ESS at a home with an existing solar system.

Both systems offer a reliable, cost-effective way to manage energy usage and Time-of-Use (TOU) rates (the higher rates some utilities charge for electricity during “peak” usage hours, such as in the late afternoon). The ESS also provides backup power in the case of a grid power outage.

The Multi-string and Maximum Power Point Trackers (MPPT)s, optimized for multi-angled roofs, help the PCS/inverter achieve 97.5% CEC efficiency.



LG Electronics ESS at a Glance

- ✓ **Easy, two-person professional installation:** all required components are included
- ✓ **The scalable battery** can be sized up to 19.6kWh for a longer back-up time
- ✓ The accompanying **mobile app** allows homeowners to monitor the system's energy flow from almost any location
- ✓ **A High Efficiency Power Conversion System** achieves 97.5% CEC efficiency thanks to multi-string and MPPTs optimized for multi-angled roofs
- ✓ The **Smart Energy Management System** provides control over energy usage and electricity bills
- ✓ A **10-year warranty** covers all components; when the ESS is paired with LG Solar modules, homeowners can turn to a “one-stop-shop” for any warranty issues

When you go solar, ask for the brand you can trust: LG Solar