



Lg chemical energy storage 60 kWh

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The ACCC and LG Energy Solutions ESS Battery Division have issued an Urgent Electrical Safety Recall. Affected Batteries may overheat and catch on fire, which can result in severe property damage, serious injuries or death. Incidents have occurred and caused damage to property and injury.

Be sure to use LG ESS Home Battery Serial Number Checker to know whether your product is affected. If you have previously checked your LG battery, please check again as the recalls have expanded to include additional models & batteries. For more see ACC Website or visit LG Energy Solutions.

The LG Chem battery range isn't able to be bought directly from LG Chem. However, it is available to purchase through accredited installers across Australia. The typical household would go for a battery size in the range of 5kWh to 10kWh. The prices listed below do not include installation or inverter costs. If you live in SA, NSW, VIC, or ACT these states have a home battery scheme or rebate in place. For more information on these schemes and rebates refer to the end of this article.

LG has a broad range of solar batteries which can be paired with a variety of solar inverters. They also have some batteries that are designed specifically to integrate with their own branded hybrid inverter (LGES-5048).

LG's RESU (Residential Energy Storage Unit) is their flagship battery range. The low voltage options range from 6.5kWh up to 13.1kWh in capacity with a voltage range typically within 42V to 60V.

The LG RESU solar batteries utilise a Lithium-Ion chemistry which is made up of Lithium, Nickel, Manganese and Cobalt. This is a high performing battery chemistry, but is typically higher priced than Lithium Iron Phosphate solutions.

The batteries are compatible with their own branded inverter along with Selectronic, Solis, Sungrow, Goodwe and SMA inverters. It takes significant engineering effort to ensure compatibility with 3rd party inverters so this flexibility is a key advantage of LG's solar batteries.

All the low voltage options have an environment protection rating of IP55 which means they are best suited to an indoor installation. Although they are still warranted for outdoor installations there are other battery options on the market with higher protection.

LG's RESU Prime series comes in 9.6kWh (RESU10H) or a 16kWh (RESU16H) options. The higher voltage range of batteries was developed to compete with the other major Lithium-ion battery manufacturer Tesla.

The batteries operate at around 400 volts. You can pair 2 of the RESU10H or the RESU16H batteries together to reach a combined 19.2kWh or 32kWh solution respectively.

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Like their low voltage equivalents, the LG RESU Prime batteries are rated to an environment protection of IP55 which means they are best suited to an indoor installation.

The LG" Chem"s RESU range are all Lithium-ion batteries. Each RESU battery is formed with cells utilising LG Chem"s "Lamination and Stacking" method. This structure produces a higher energy density by reducing the dead space, enhancing cell sustainability.

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