



# 450 kWh lg chemical energy storage

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ESS (Energy Storage System) provides solutions for applications throughout power supply systems including Grid-scale, Residential, C& I (Commercial and Industrial), and UPS (Uninterruptible Power Supply).

Now, LG introduces the home energy storage system(ESS), which maximizes the value of a homeowner's PV system. The 7.6kW DC-coupled product offers unparalleled solar + storage performance, allowing homeowners to seamlessly store excess solar energy to power their home both day and night.

The 405 MW and scalable 100 MWh - 76 GWh system claims energy densities of 450 kWh/m<sup>3</sup>, 10-100- hour duration, 50% roundtrip efficiency, and estimated storage cost of \$10 - \$40/kWh. The storage cost includes power system, while 10\$/kWh is based on 100-h storage estimation, and \$40/kWh is based on 10-year storage estimation.

The higher the roundtrip efficiency percentage, the more efficiently the battery can store and afterwards release the electricity it receives. The LG Chem RESU batteries have a roundtrip efficiency of 94.5%, one of the best in the market.

Our advanced lithium ion battery technology is the product of 26 years of experience in the development and production of mobile batteries and large format batteries for automotive and energy storage systems & #40;ESS& #41;. LG Chem's commitment to technology leadership coupled with efficient and high-quality manufacturing processes produces ...

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