

14 kWh commercial solar battery storage

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Expertly tailored for efficiency and longevity, the Growatt APX 14.33kWh high-voltage battery offers scalable and flexible commercial solar storage. This advanced battery module can be installed in a system containing between nine and 14 units, to provide a total capacity of between 129kWh and 200kWh of clean power.

The Growatt APX 14.33kWh battery storage is designed for seamless integration with both new and existing battery modules, ensuring a versatile mix-and-match capability within your energy system. The module-level energy optimisation means every unit works at its highest efficiency, providing you with reliable power when you need it most.

The battery storage technologies do not calculate LCOE or LCOS, so do not use financial assumptions. Therefore all parameters are the same for the R& D and Markets & Policies Financials cases.

The 2023 ATB represents cost and performance for battery storage across a range of durations (1-8 hours). It represents only lithium-ion batteries (LIBs) - those with nickel manganese cobalt (NMC) and lithium iron phosphate (LFP) chemistries - at this time, with LFP becoming the primary chemistry for stationary storage starting in 2021. There are a variety of other commercial and emerging energy storage technologies; as costs are characterized to the same degree as LIBs, they will be added to future editions of the ATB.

Base year costs for commercial and industrial BESS are based on NREL's bottom-up BESS cost model using the data and methodology of (Ramasamy et al., 2022), who estimated costs for a 300-kWDC stand-alone BESS with four hours of storage. We use the same model and methodology, but we do not restrict the power or energy capacity of the BESS. (Ramasamy et al., 2022) assumed an inverter/storage ratio of 1.67 based on guidance from (Denholm et al., 2017). We adopt this assumption, too.



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