## **Grid level energy storage**



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Key EES technologies include Pumped Hydroelectric Storage (PHS), Compressed Air Energy Storage (CAES), Advanced Battery Energy Storage (ABES), Flywheel Energy Storage (FES), Thermal Energy Storage (TES), and Hydrogen Energy Storage (HES).16 PHS and CAES are large-scale technologies capable of discharge times of tens of hours and power capacities up to 1 GW, but are geographically limited.17 ABES and FES have lower power and shorter discharge times (from seconds to 6 hours), and are often not limited by geography.17

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Web: https://holland dutch tours.nl/contact-us/

Email: energystorage2000@gmail.com

WhatsApp: 8613816583346

