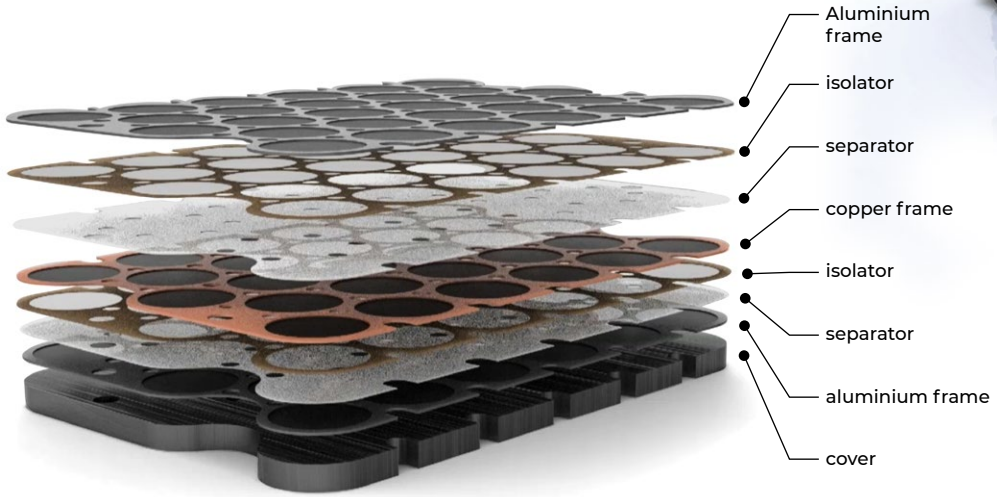
HE3DA

Lithium-ion accumulators with thick electrodes made of nanomaterial with a specific structure



Mobile container storage with 5.4-8.1 MWh capacity

Container storage with 1.2 MWH capacity

▪ Instead of regular electrodes applied on a foil in a thin layer of several micrometres, the HE3DA technology uses significantly thicker electrodes of up to several millimetres. The ability of cooling the inner space of the cell by electrolyte as well as its regeneration capability increase the life span of the cell while allowing for a more compact size of the battery modules. ▪ Compared to regular lithium-ion batteries, these accumulators are a lot less prone to combustion or explosion. Certified safety tests (pursuant to UL 7319 Intertek standard) confirm the outstanding resistance of the cells against mechanical damage, bullet impact, overcharging, and other extreme conditions. ▪ The capacity of the battery system exceeds 500 Wh/litre. You can get 15 times higher maximum performance compared to the technologies in common use. The battery demonstrates more than 95% efficiency and a life span of more than 5000 cycles. ▪ The 3D design makes the cell easy to disassemble and fully recyclable.