

ATE Residential Thermal Battery

Order no: 999-261

Molten salt storage 33 times cheaper than lithium-ion batteries Cost-effective energy storage is key to transitioning to a low-carbon society. Energy can be stored in the form of heat or electricity. A popular storage method for high-temperature thermal applications is a molten salt tank. Fact sheets BVES for short, show that molten salt tanks are around 33 times less expensive than electric batteries when it comes to storing a kilowatt-hour in them.

Operating Temperature	150 – 560 C	Lifetime (cycles)	10,000
Storage Capacity	75-200kWh/m ³	Lifetime	20 years
Storage Capacity	40 – 110 kWh/ton	Daily heat Loss	1 - 5%
Storage Efficiency	90 – 99%	Molten Salt ATE	>750m ³ –0,2m ³ per MW

