



BATTERY DATA ATTRIBUTES

GAZ ENERGY Battery Container

GEN-BAT-5015 kWh

Attribute	GEN-BAT-5015kWh
Rated capacity	628 Ah
Capacity fade ¹	40%
Original power capability ²	104 499 W
Power capability fade	0%
Maximum permitted battery power	104 499 W
Initial round trip energy efficiency	95%
Round trip energy efficiency at 50% of cycle life ³	95%
Round trip energy efficiency fade ³	0%
Initial internal resistance on battery cell level	0.2 - 0.6 mΩ
Initial internal resistance on battery pack level	40 mΩ
Internal resistance increase on battery pack level ⁴	(Current internal resistance – Initial internal resistance) / Initial internal resistance x 100%
Initial internal resistance x 100%	IEC/EN62477-1, etc.
Expected lifetime (number of charge-discharge cycles)	8000
Expected lifetime (calendar years)	20 years

1. This parameter is static data that indicates the capacity fade percentage of the battery pack at end of life (EOL).
2. This parameter is calculated by Rated cell voltage x Number of cell strings x Rated cell current.
3. This parameter is estimated from the initial round trip energy efficiency and test data.
4. This parameter is dynamic data.

