



## BATTERY DATA ATTRIBUTES

### GAZ ENERGY Battery Container

GEN-BAT-5015 kWh

Attribute	GEN-BAT-5015kWh
Rated capacity	<b>628 Ah</b>
Capacity fade <sup>1</sup>	<b>40%</b>
Original power capability <sup>2</sup>	<b>104 499 W</b>
Power capability fade	<b>0%</b>
Maximum permitted battery power	<b>104 499 W</b>
Initial round trip energy efficiency	<b>95%</b>
Round trip energy efficiency at 50% of cycle life <sup>3</sup>	<b>95%</b>
Round trip energy efficiency fade <sup>3</sup>	<b>0%</b>
Initial internal resistance on battery cell level	<b>0,2 - 0,6 mΩ</b>
Initial internal resistance on battery pack level	<b>40 mΩ</b>
Internal resistance increase on battery pack level <sup>4</sup>	<b>(Current internal resistance - Initial internal resistance) / Initial internal resistance x 100%</b>
Initial internal resistance x 100%	<b>IEC/EN62477-1, etc.</b>
Expected lifetime (number of charge-discharge cycles)	<b>8000</b>
Expected lifetime (calendar years)	<b>20 years</b>

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.

