Leclanché
Energy Storage Solutions

G/NMC TECHNOLOGY

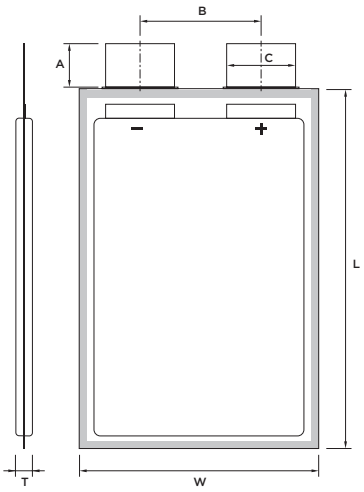
ARTICLE NUMBER **936A04**

GL60

Energy cell 60Ah

- High-energy lithium-ion cell
- Very-high cycle and calendar life
- For transport and utility applications
- Precision manufactured in Germany

Datasheet



Technical Data

Nominal Capacity (typical)		**60 Ah** (measured at C/10 discharge rate, RT)
Nominal Energy		**220 Wh** (measured at C/10 discharge rate, RT)
Nominal Voltage		**3,65 V**
Voltage range		**3,0 V to 4,2 V**
Dimensions	Length (L)	**286 mm ± 1 mm**
	Width (W)	**178,5 mm ± 1 mm** (152 mm folded)
	Thickness (T)	**12 mm +0,5/–0,5 mm**
Weight		**1120 g**
Volume		**475 ml**
Housing		**Foil packaging**
Tabs		**Aluminium** (+ Pole), **Ni-coated Copper** (- Pole)
	Length (A)	**33 mm ± 1 mm**
	Distance (B)	**90 mm ± 1 mm**
	Width (C)	**50 mm ± 0,2 mm**
	Thickness	**0,3 mm ± 0,02 mm**
Cycle Life		**8,000 cycles*** (1C charge/discharge, at 80% DoD & RT)
		4,500 cycles (1C charge/discharge, at 100% DoD & RT)
Energy density (gravimetric, volumetric)		**196 Wh/kg, 460 Wh/l**

Charge

Charging method	**CC/CV** (Constant Voltage with limited current)
Max. charge voltage	**4,2 V** (+0,05 V)
Max. charge current	**120 A** (2C), **20s pulse 180 A** (3C)
End of charge	**U = 4,2 V and I < C/10**
Max. temperature range	**0°C to +45°C**

Discharge

Max. discharge current	**180 A** (3C), **20s pulse 300 A** (5C)
End of discharge Voltage	**3,0 V**
Max. temperature range	**–20°C to +55°C**

Storage and transport

Max. temperature range	**–20°C to +25°C** for up to 1 year
	+25°C to +40°C for up to 3 months
	+40°C to +60°C for up to 1 week

* Expected

Important Information

This datasheet contains typical information specific to products manufactured at the time of this publication and does not constitute a guarantee or warranty with respect to any cells and batteries. Cells/batteries performance and service life depends on the operating temperature, storage conditions, cut-off voltage and load applied in a specific application. It is the responsibility of each user to ensure that each application is adequately designed in terms of safety and usage conditions, and is in conformance with existing standards and requirements.

Specifications are subject to change without notice.

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