

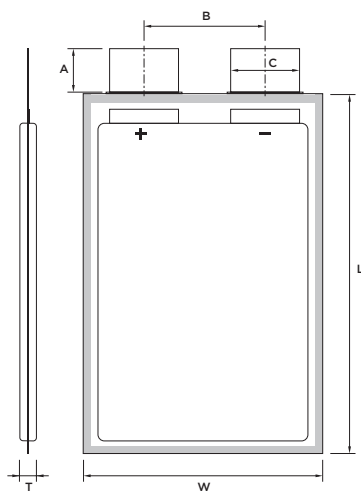
GL55

Energy cell 55Ah



Providing our customers with high quality energy storage solutions for both transport & utility applications since 1909.

Datasheet



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.

Technical Data

Nominal Capacity (typical)	55 Ah (measured at C/10 discharge rate, RT)
Nominal Specific Energy	200 Wh (measured at C/10 discharge rate, RT)
Nominal Voltage	3,7 V
Voltage range	3,0 V to 4,2 V
Dimensions	Length (L) 285 mm ± 2 mm
	Width (W) 178,5 mm ± 1 mm (153 mm folded)
	Thickness (T) 12 mm +0,1/-0,5 mm
Weight	1140 g
Volume	475 ml
Housing	Foil packaging
Tabs	Aluminium (+ Pole), Ni-coated Copper (- Pole)
	Length (A) 33 mm ± 3 mm
	Distance (B) 90 mm ± 2 mm
	Width (C) 50 mm ± 0,5 mm
	Thickness 0,2 mm ± 0,02 mm
Expected lifetime	> 3 600 cycles (at 1C charge/discharge between 3.0V and 4.1V, RT)
Energy density (gravimetric, volumetric)	175 Wh/Kg, 420 Wh/l

Charge

Charging method	CC/CV (Constant Voltage with limited current)
Max. charge voltage	4,2 V (+0,05 V)
Max. charge current	55 A (1C), 20s pulse 165 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	165 A (3C), 20s pulse 275 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

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