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:**
  - 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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WE ARE IN CHARGE