

# Datasheet

## Lithium Ion Battery 167-0241060

### Lithium-Nickel-Cobalt-Manganese

### 24 V / 106 Ah Battery for General Cyclic Purpose

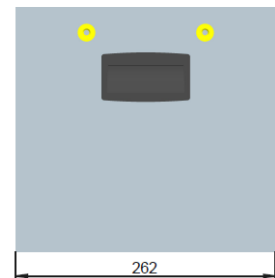
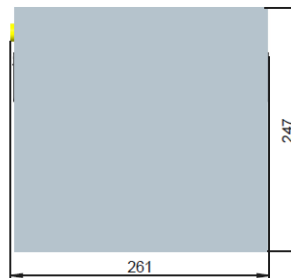
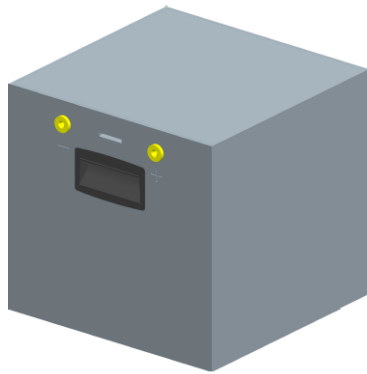
**General:**

|                                 |   |
|---------------------------------|---|
| Configuration of Cells:         | 7s2p  |
| Nominal Voltage:                | $V_N = 25.9 \text{ V}$  |
| Nominal Capacity (1 hour rate): | $C_1 = 106 \text{ Ah}$  |
| Nominal Energy:                 | $E_N = 2745 \text{ Wh}$   |
| Maximum Discharge Current:      | 60 (100) A  |
| Maximum Peak Discharge Current: | 120 (150) A   |
| Charging Voltage:               | 30 V  |
| Maximum Charge Current:         | 50 (100) A  |
| Charging Regime:                | CV (Constant Voltage)   |
| Switch Off Voltage of Battery:  | $V_{\text{CutOff}} = 21 \text{ V}$  |
| Operational System:             | BOCS (Battery Operation and Control System)   |
| Operating Temperature:          | Discharge: $-20^\circ \text{ C} - +50^\circ \text{ C}$<br>Charge: $-10^\circ \text{ C} - +50^\circ \text{ C}$ |

**Materials, Dimensions and Weight:**

|                         |                                    |
|-------------------------|------------------------------------|
| Length:                 | $L = 261 \text{ mm}$               |
| Width:                  | $W = 262 \text{ mm}$               |
| Height incl. Terminals: | $H_{\text{Max.}} = 247 \text{ mm}$ |
| Weight:                 | $m = 20.0 \text{ kg}$              |
| Casing:                 | Polystyrene UL 94-V0               |
| Handles:                | Integrated (front and back)        |
| Terminal:               | Female M6, Brass                   |
| Torque:                 | 8 Nm                               |

**Dimensions:**



**LED-Signals:**

Pressing the reset button would activate the LED's for 5 sec.

- |                  |   |
|------------------|---|
| Only red LED on: | Battery is empty; please connect a charger! |
| 1 green LED on:  | $SOC \geq 25\%$                             |
| 2 green LED on:  | $25\% < SOC \leq 50\%$                      |
| 3 green LED on:  | $50\% < SOC \leq 75\%$                      |
| 4 green LED on:  | $75\% < SOC \leq 100\%$                     |