

# Datasheet

## Lithium Ion Battery 167-0240200R

### Lithium-Nickel-Cobalt-Manganese

### 24 V / 20 Ah Battery for General Cyclic Purpose

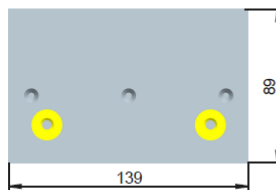
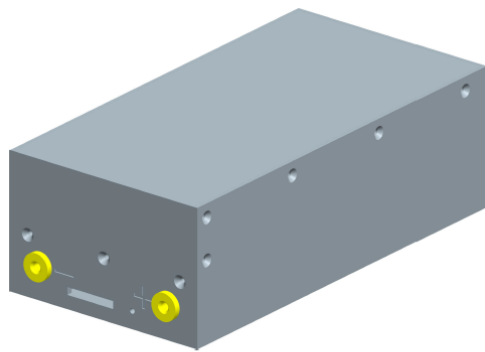
**General:**

Configuration of Cells:	7s2p
Nominal Voltage:	$V_N = 25.9 \text{ V}$
Nominal Capacity (1 hour rate):	$C_1 = 20 \text{ Ah}$
Nominal Energy:	$E_N = 518 \text{ Wh}$
Maximum Discharge Current:	25 A
Maximum Peak Discharge Current:	40 A
Charging Voltage:	29.4 V
Maximum Charge Current:	20 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: $-20^\circ \text{ C} - +50^\circ \text{ C}$ Charge: $-10^\circ \text{ C} - +50^\circ \text{ C}$

**Materials, Dimensions and Weight:**

Length:	$L = 274 \text{ mm}$
Width:	$W = 139 \text{ mm}$
Height incl. Terminals:	$H_{\text{Max.}} = 89 \text{ mm}$
Weight:	$m = 4.1 \text{ kg}$
Casing:	Polystyrene UL 94-V0
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%