

Datasheet

Lithium Ion Battery 167-0240400

Lithium-Nickel-Cobalt-Manganese

24 V / 40 Ah Battery for General Cyclic Purpose

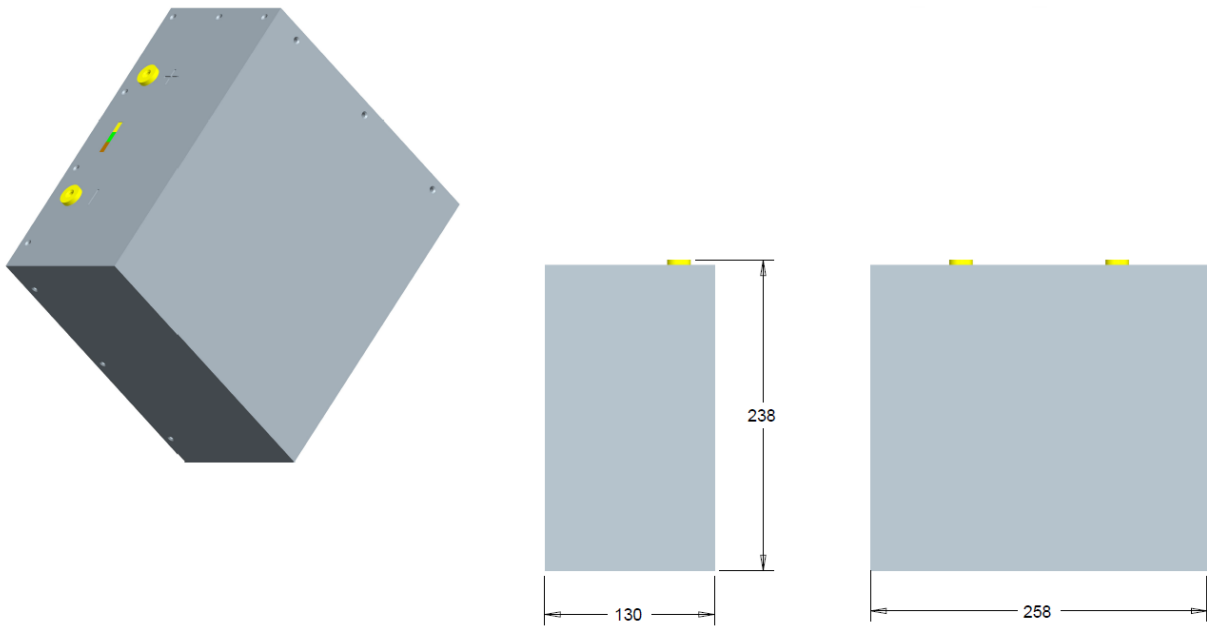
General:

Configuration of Cells:	7s1p
Nominal Voltage:	$V_N = 25.9 \text{ V}$
Nominal Capacity (1 hour rate):	$C_1 = 40 \text{ Ah}$
Nominal Energy:	$E_N = 1036 \text{ Wh}$
Maximum Discharge Current:	60 A
Maximum Peak Discharge Current:	120 A
Charging Voltage:	30 V
Maximum Charge Current:	40 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 = 258 mm
Width:	W = 130 mm
Height incl. Terminals:	$H_{\text{Max.}} = 238 \text{ mm}$
Weight:	m = 9.2 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%