

Datasheet

Lithium Ion Battery 167-0240530

Lithium-Nickel-Cobalt-Manganese

24 V / 53 Ah Battery for General Cyclic Purpose

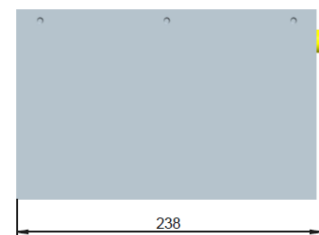
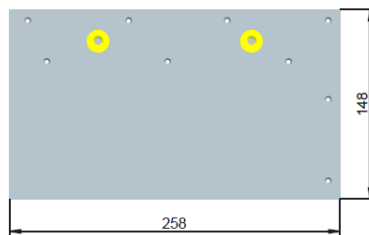
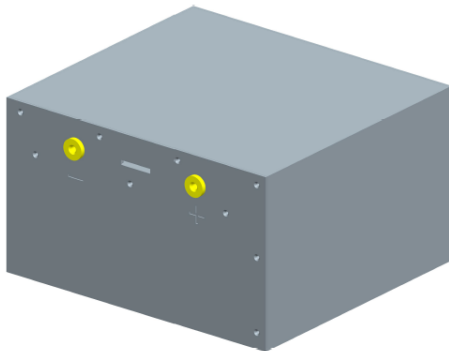
General:

Configuration of Cells:	7s1p
Nominal Voltage:	$V_N = 25.9 \text{ V}$
Nominal Capacity (1 hour rate):	$C_1 = 53 \text{ Ah}$
Nominal Energy:	$E_N = 1372 \text{ Wh}$
Maximum Discharge Current:	60 A
Maximum Peak Discharge Current:	120 A
Charging Voltage:	30 V
Maximum Charge Current:	50 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:	$L = 258 \text{ mm}$
Width:	$W = 148 \text{ mm}$
Height incl. Terminals:	$H_{\text{Max.}} = 238 \text{ mm}$
Weight:	$m = 10.4 \text{ kg}$
Casing:	Polystyrene UL 94-V0
Terminal:	Female M6, Brass
Torque:	8 Nm

Mechanical:



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: $75\% < SOC \leq 100\%$