

Solution Light Traction

Technical data sheet

Applications



Cleaning machines



Pallet trucks



Technical characteristics and data

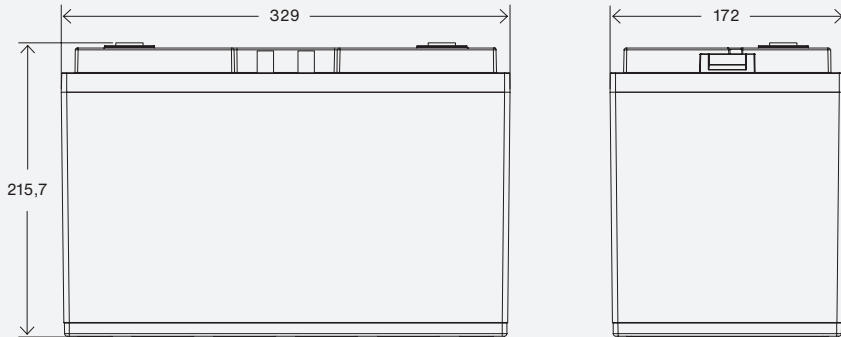
Specifications	LTB24052MC
Nominal voltage [V]	25.6
Nominal capacity (C ₂₀) [Ah]	52.0
Nominal energy [kWh]	1.33
Weight (approx.) [kg ± 5 %]	12.4
Dimension incl. terminals LxWxH [mm]	329 x 172 x 213 (+/- 1 mm)
Max. continuous discharge current [A]	52.0
Max. peak discharge current (< 20 sec) [A]	104
Discharge cut off voltage [V]	< 21
Recommended charge current [A]	< 20.0
Max. charging current [A]	up to 52.0
Recommended charging voltage range [V]	28.0
Max. charging voltage [V]	28.4
Float (auto balance) charging voltage [V]	27.8 ± 0.2
Gravimetric energy [Wh/kg]	112.8
Volumetric energy [Wh/L]	110.4
Terminal (recommended torque)	M8 (9.7 +/- 1 Nm)
Cycle life at 0.5C at 80 % DoD and 25 °C	> 3000 cycles*
ON/OFF button	LED push button
Communication bus	CAN 2.0B
Series connection	No
Parallel connection	up to 4 modules
Chemistry	LFP (Lithium Iron Phosphate)
Water/dust protection	ABS+PC (UL94V-0) / IP 67
Charging temperature [°C]	0 to +50
Discharge temperature [°C]	-15 to +60
Storage temperature [°C]	less than 3 months -5 to +35 (Less than 1 year 0 ~ 25 °C)
Storage relative humidity [%]	up to 85, Non-condensing
Certifications	UN38.3 / CE / IEC62619 / IEC62133
Shipping classification	UN3480, Class 9

* Higher temperatures or higher discharge currents reduce the cycle life

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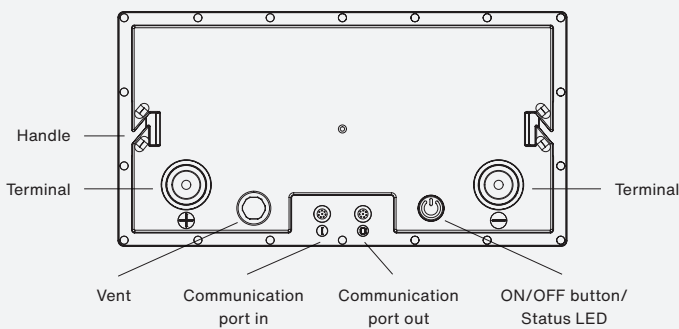
Technical data sheet

Technical drawing



Not to scale!

Battery connections



Communication port definition

	Pin	In	Out
	1	CAN_L	CAN_L
	2	ACC	ACC
	3	NC	NC
	4	In	Out
	5	CAN_H	CAN_H
	6/7/8	Reserved	Reserved



Please scan here for detailed information and operating instructions.