

Solition Light Traction

Technical data sheet

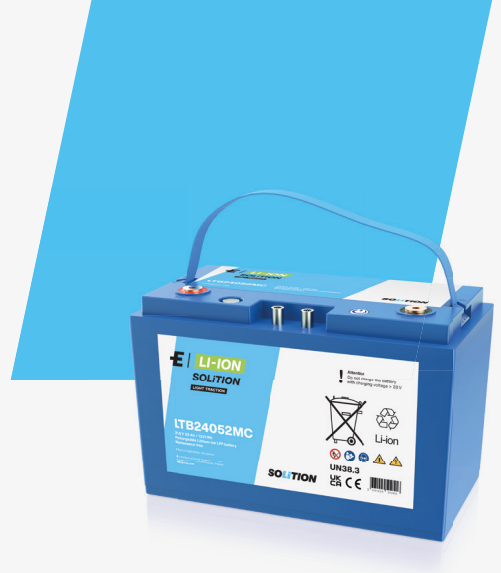
Applications



Cleaning machines



Pallet trucks



Technical characteristics and data

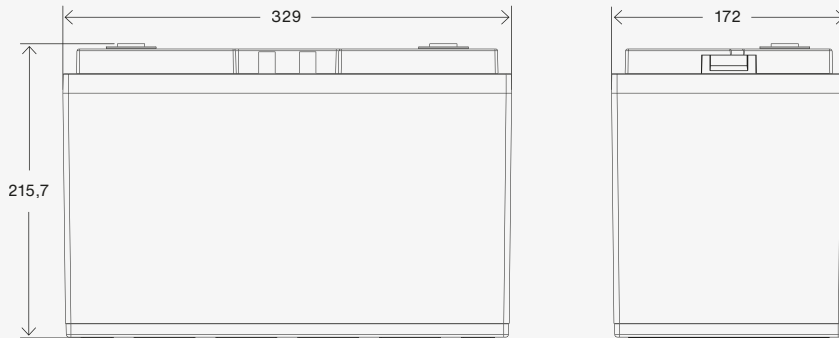
| Specifications | LTB24052MC |
|--|---|
| Nominal voltage [V] | 25.6 |
| Nominal capacity (C ₂₀) [Ah] | 52.0 |
| Nominal energy [kWh] | 1.33 |
| Weight (approx.) [kg ± 5 %] | 12.4 |
| Dimension incl. terminals LxWxH [mm] | 329 x 172 x 213 (+/- 1 mm) |
| Max. continuous discharge current [A] | 52.0 |
| 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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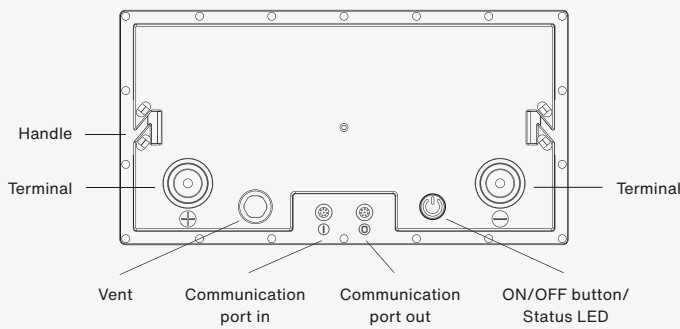
Technical data sheet

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 |