

LITHIUM GUIDE

# Lithium for Motive Power: Floor Care, MEWP and Golf

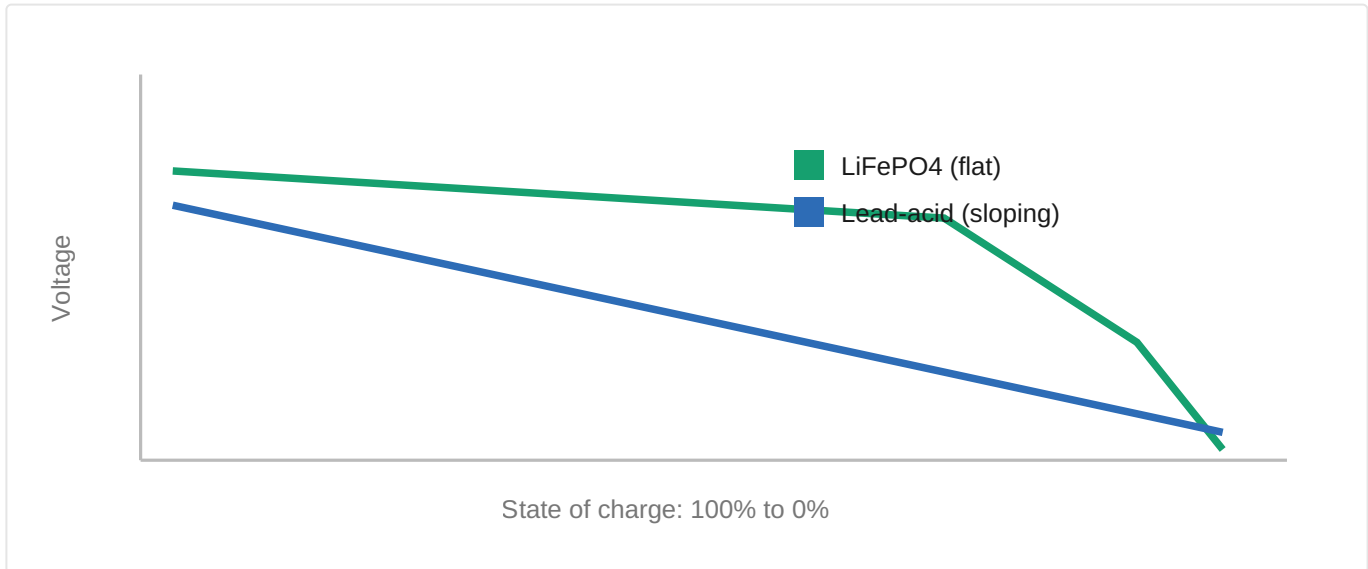
Why daily-duty machines are moving to LiFePO<sub>4</sub>, and what to look for when you specify a motive lithium battery.

ATB Power · Battery Solutions · 5 min read

Motive equipment cycles hard every day, which is exactly where lithium earns its keep. Floor scrubbers, scissor and boom lifts, golf cars and light utility vehicles all benefit from the flat voltage, fast charging and long cycle life of LiFePO<sub>4</sub>.



*ATB LFP-M lithium monobloc, sized to common lead-acid footprints for drop-in replacement.*



*LiFePO4 holds a flat voltage through most of the discharge, so equipment performs the same until nearly empty. Lead-acid sags steadily.*

### — What changes for the operator

- **Consistent power:** a flat discharge curve means the machine performs the same at 20% as at 90%, unlike lead-acid which sags.
- **Opportunity charging:** top up during breaks with no memory effect, so one battery covers longer shifts.
- **No maintenance:** no watering, no off-gassing, no acid. Sealed and managed by the BMS.

### — What to specify

SPEC	WHY IT MATTERS
System voltage	Match the machine: 24, 36, 48 or 72 V.
Capacity (Ah / kWh)	Sets runtime per shift; size to the duty cycle.
Continuous / peak current	Must cover traction and hydraulic loads.
Footprint and weight	Drop-in fit; plan counterweight on lifts.
IP rating	Wet or outdoor duty needs adequate ingress protection.

### — Typical ATB fit

ATB LFP-M monoblocs span 24 to 72 V and roughly 105 to 304 Ah, sized to common lead-acid footprints for floor care, MEWP, golf and light utility. See the Lithium Motive product page for the current range, and the operating manual for install and charging detail.

### COLD STORES

If equipment runs in freezers, plan for charging above 0 degrees C with a heated pack or warm-up cycle.

### Need help choosing or specifying?

Talk to ATB for datasheets, fitment and custom configurations.

[Request specifications](#)

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