

Switch on  
next generation  
power and  
productivity



**LOGISNEXT LI-ION  
FORKLIFT BATTERIES**



# Logisnext

Li-ION

**TCM, together with Logisnext, bring you the ultimate Li-ion batteries, with clear benefits over lead-acid alternatives, particularly in high energy, multi-shift and 24/7 applications.**

**Long Life:** Up to 10 year design life or 4,000 cycles with 80% capacity retention for predictable long-term performance.

**No Maintenance:** No water and electrolyte refilling, or acid checks; sealed design eliminates spills and leaks.

#### Flexible Multi-Voltage and Faster Charging

Rapid recharge and no ill-effect partial and opportunity charging during breaks or battery swaps reduce downtime and increase runtime up to 3 shifts a day, ideal for multi-shift and 24/7 operations. Full charge in 2hrs with fast charging.

#### Integrated Battery Management System (BMS)

Smart monitoring, automatic cell balancing, low battery alarm, and communication with the truck for optimal performance, safety, and predictive maintenance.

#### Consistent Power Output

Stable performance throughout the discharge cycle, without the end of cycle voltage drop typical of acid batteries.

#### Higher Efficiency

Low energy loss during charge, discharge and storage, and maximum efficiency of regenerative braking for ultimate productivity.

#### Space Saving

No need for dedicated charging rooms or ventilation.

#### Lower Energy Costs

High charge and discharge efficiency reducing electricity consumption. Typically 30% saving.



**5 Year Warranty** - reducing financial risk and supporting predictable maintenance planning.

#### Optimised for Safety

Our batteries meet strict safety and performance standards. LFP (Lithium Iron Phosphate) chemistry offers superior thermal stability and a lower risk of overheating, compared to other lithium chemistries, and features advanced safety systems and an internal hot aerosol fire extinguisher for peace of mind, making it ideal for demanding industrial environments.

#### Weight Advantage

The extra weight of LFP batteries contributes to the counterbalance, improving stability and handling. Unlike automotive applications where weight reduction is critical.

#### Enhanced Cold Performance

IP54 ingress rating and optional built-in battery heater ensures reliable operation in dusty or outdoor environments and cold stores (up to -20°).

#### Environmentally Friendly

Lower CO<sub>2</sub> emissions, high recyclability (up to 95%), and second-life applications.

#### Clean Energy

No polluting gases or acids, ideal where an impurity-free environment is vital.

#### Safer for Operators

Less risk of injury from battery exchanges, electric shocks and burns. No risk of burns or damage by acid and no risk of toxic or explosive gases/vapours.

#### Total Cost of Ownership (TCO)

Your dealer can offer impartial advice on the most cost-effective energy solution to meet all your operational requirements. This includes comparing TCO of equivalent 3-shift lead-acid battery, diesel fuel, and LPG (liquefied petroleum gas) applications.



**TCM**  
Driven by Your Success

# Next generation Li-ion battery technology

Whether installed at the factory or retrofitted in the field, Li-ion technology excels with TCM trucks. Like every TCM solution, Li-ion batteries are engineered for ultimate reliability and high performance even in the toughest environments. We simplify procurement, servicing, and warranty claims by keeping everything under one trusted brand, TCM.



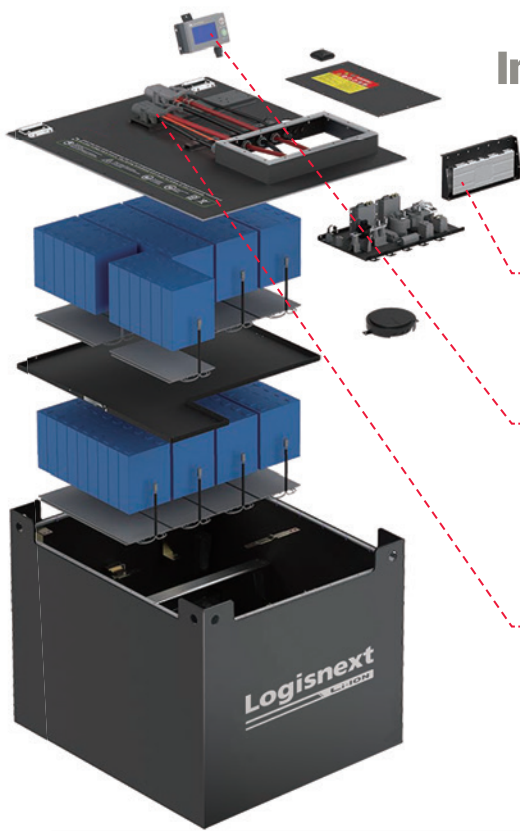
## Ready to switch on greater productivity?

Choose robust, longer-life and highly efficient Li-ion batteries with intelligent battery management systems, for next generation power and productivity, with **5-year warranty and global support**.

Cost effective, convenient, sustainable. **Speak to your dealer about TCM's ultimate Li-ion batteries, together with Logisnext**, empowering you to optimise productivity with ease.



## Intelligent Design



### Built-in BMS

For cell balancing and advanced battery management.

### Control panel included

Showing all critical battery functions in real-time, voltage, current, and remaining charging time and fault alarm.

### REMA plug

Separate high current charging plug with integrated blocking system for unintended startup and transferring the signal.

## Product Certifications



tcm.eu

Logisnext Li-ion Forklift Batteries are OEM products delivered by our solutions partner, Logisnext.

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