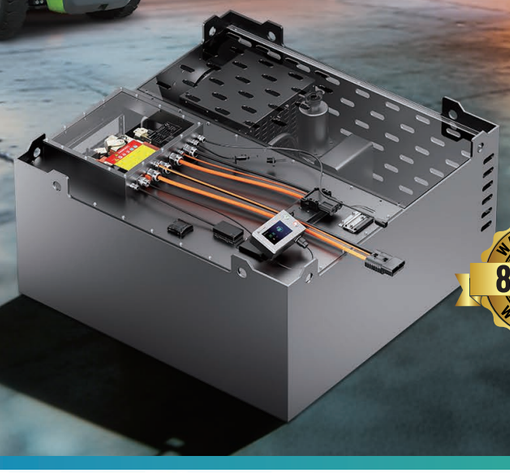
Liquid-Cooled
LiFePO4 Forklift Batteries

Longer Runtime | Higher Uptime | Lower Operating Costs



Efficient Liquid Cooling

Grade A LFP Cell

3,500 Times of Cycle Life

-30℃~60℃ Wide Operating Temperature Range

Intelligent BMS

IP67 Ingress Rating

More Consistent Power Under Heavy Loads

The liquid cooling system maintains cell temperature between 25℃ and 35℃ during heavy-load operation, ensuring stable power output throughout intensive, multi-shift forklift use.

Extended Battery Life for Lower Lifetime Costs

By maintaining consistent thermal balance across all cells, the liquid-cooled design slows degradation and extends battery service life, reducing replacement and maintenance costs.

Engineered for Enhanced Safety & Reliability

Rugged, vibration-resistant design with multi-level protection maintains reliable operation and reduces downtime in demanding material handling conditions.

Optimized Performance in Low-Temperature Environments

Built-in thermal insulation design effectively prevents heat loss and maximizes usable energy even at temperatures down to –30 °C, ensuring reliable operation and sustained performance in cold environments.

Applications

Warehouses & Logistics

Manufacturing

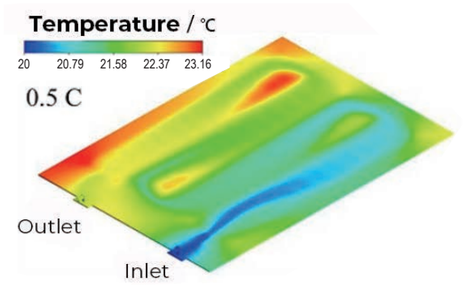
Cold Chain

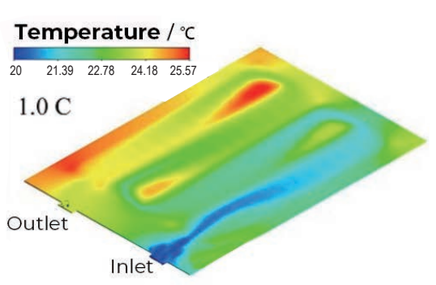
Ports & Terminals

Mining

Liquid Cooling

Stable coolant temperature rise under both 0.5C and 1C discharge demonstrates effective thermal management, keeping cells within the optimal operating range.





Technical Specifications

Voltages and capacities are customized to meet specific needs.

Rated Voltages: **80V, 90V, 96V, 114V**	Rated Cooling Power: **2kW**
Operating Voltage Range: **65~135V**	Optimal Battery Operating Temperature: **20°C – 35°C**
Liquid Inlet/Outlet Temperature: **20℃ / 21~24℃**	Water Pump Rated Head / Flow: **8 m / 30 L/min**

All data are based on ROYPOW standard test procedures, actual performance may vary according to local conditions.

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