

VELOX FLEX



FLEXIBLE & ECONOMICAL LITHIUM BATTERIES

PRODUCT DESCRIPTION

Discover the future of forklift power with VeloxFlex, a cornerstone of the Velox Ecosystem offering exceptional value and performance. Designed for flexibility and efficiency, it's the ideal solution for businesses upgrading from traditional energy systems without compromising on cost-effectiveness.

Priced at twice the cost of flooded lead-acid batteries and comparable to Thin Plate Pure Lead (TPPL) options, VeloxFlex stands out by offering four times the cycle life. Ensuring long-term reliability and reduced total cost of ownership, making it a superior investment for high-demand operations.

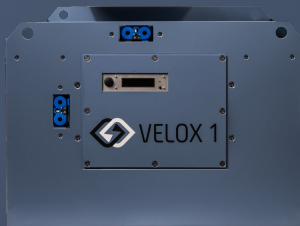
With up to 300A fast charging, a modular design, and seamless integration with all Velox components, VeloxFlex is ready for today's challenges and tomorrow's opportunities. Featuring advanced cloud monitoring and a rugged steel design, it combines cutting-edge technology with trusted durability.

Choose VeloxFlex for unmatched performance, compatibility, and value within the Velox Ecosystem—where innovation meets sustainability.

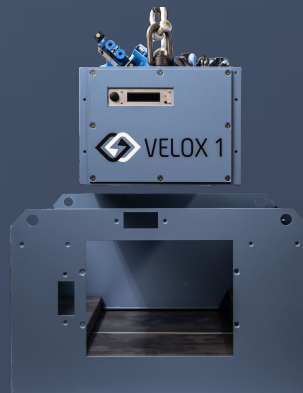
FUTURE PROOF

MODULARITY

Our eBOX and wBOX are standardized and interchangeable. They adapt to the evolution of your power demand and your lift truck compartment, allowing you to navigate among our segmented battery series: VeloxFlex, VeloxPlus, and VeloxMax.



eBOX 1 -> Class I



eBOX 1 -> Class II

MAIN FEATURES

FAST CHARGING

Up to 300A of charging

MODULAR

Personalized energy designs

ONLINE

OTA cloud monitoring

UPGRADABILITY

Compatible module between series

ECOSYSTEM

Compatible with Velox forklift Ecosystem

DURABILITY

Rugged steel design



SPECIFICATIONS

POWER

Charge connector/port	1x EURO500FK (LV500)
Input power/max charging current	Maximum 300A
Available output voltage	24.0V / 38.4V / 51.2V / 80.0V
Output protection	500/800 ADC fuse
Available battery capacity	400Ah / 800Ah

ALARM OUTPUT

Alarm output	1x Remote buzzer ; 1x Integrated speaker alarm
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GENERAL CHARACTERISTICS

Lithium cells	LiFePo4 Cell technology, compliant with UL1642
Compatible devices	RHL-SOC-SCREEN; RHL-HYG, RHL-COMBILIFT

PHYSICAL SPECIFICATIONS

Casing material	Steel housing, IP5X
Dimensions (W x D x H)	Made to forklift dimensions
Weight	Minimum truck weight +1,5%. Additional weight available

BMS PROTECTION

Protection settings	Over current, voltage, temperature, humidity, current sensor, short circuit, contactor cycle, cell count, high charging current
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PHYSICAL INTERFACES (PORTS, LED, BUTTONS)

Power out (discharging)	Made to forklift specs
Status LEDs	1 x 10 LED Indicator
Switch	ON/OFF push button
CAN truck	Available, if forklift OEM can provide protocol
Power in (location)*	A standard

POWER IN

