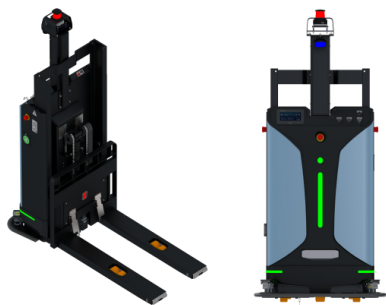


COMPACT STACKER

AB-FLB-CS14(24/48V)

ATOMBOTIX



Cost competitive & modular design



With market proven supply chain, it is perfect for prototypes & scaling.

Fully electric, optimized for automation



Motor/Driver/Encoder included.

Lithium-ion powered



Built-in LFP battery, modular design, longer battery life, faster charging, higher capacity availability.

Pre-designed sensor brackets



Ensured consistency, no need for self modification.



Super compact space requirement allows more available space of the warehouse and less requirement for the aisle.

Slim Size & Compact Manuver

Open design and protocols



Open mechanical & electrical database, open control protocol.

Model	AB-FLB-CS14
General	
Power Type	Electric
Driving Style	Automatic Guided / Manual Control
Kinematics	Single Steering Wheel
Rated Load Capacity	1400kg
Load Center Distance	600 mm
Front Overhang Distance	648 mm
Wheelbase	877 mm
Weight	
Self Weight (Including Battery)	680 kg
Axle Load (Full Load), Driving Side/Load-Bearing Side	730/1350 kg
Axle Load (Empty load), Driving Side/Load-Bearing Side	450/230 kg

Wheel	
Tire Type	Polyurethane
Tire Size, Drive Wheel	Φ230×75 mm
Tire Size, Load-Bearing Wheels	Φ80×54 mm
Tire Size, Balance Wheel	Φ115×55 mm
Number Of Wheels, Drive Side (x=Drive Wheels)/Load-Bearing Side	1x-2/4
Front Wheel Track , Drive Side	538 mm
Rear Wheel Track, Load-Bearing Side	500 mm
Basic Dimensions	
Size L×W×H	2035×985×1637 mm
Vehicle Length (Excluding Fork)	467 mm
Free Lifting Height	0
Lifting Height	1600 mm
Extended Mast Max Height	2085 mm
Fork Surface Minimum Height (When The Fork Is At Its Lowest)	85 mm
Charging Pad Height	500 mm
Fork Size	1150/180/55 mm
Fork Outer Width	680 mm
Minimum Ground Clearance	31.5 mm
Minimum Turning Radius	1180 mm
Minimum Right Angle Stacking Aisle Width	1800+200 mm
Right Angle Stacking Aisle Width, Pallet 1000×1200 (1200 Placed Along The Fork)	1925+200 mm
Performance	
Driving Speed, Full load/Empty Load	5\5 km/h
Lifting Speed, Full Load/Empty Load	115/170 mm/s
Descent Speed, Full load/Empty load	160/125 mm/s
Climbing Performance .Full Load/Empty Load	3%/5%
Motion	
Drive Motor Power	1.25/1.5 KW
Power Of Lifting Motor	3.0/3.8 KW
Steering Motor Power	0.4 KW
Drive Motor Type	24V asynchronous AC motor
Driving Brake Mode	Electromagnetic braking
Steering Motor Type	48V DC Servo motor
Lifting Mechanism	Hydraulic
Driver Communication	CAN



Battery	
Weight Of Battery	58kg
Battery Type	LFP (Lithium Iron Phosphate)
Battery Voltage/Rated Capacity	24/210 or 48/105 V/AH
BMS Communication	RS485/CAN

