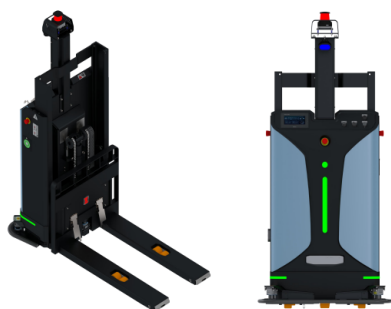


COMPACT STACKER

AB-FLB-CS20(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.

Slim Size & Compact Manuver



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

Open design and protocols



Open mechanical & electrical database, open control protocol.

Model	AB-FLB-CS20
General	
Power Type	Electric
Driving Style	Automatic Guided / Manual Control
Kinematics	Single Steering Wheel
Rated Load Capacity	2000 kg
Load Center Distance	600 mm
Front Overhang Distance	750 mm
Wheelbase	1076 mm
Weight	
Self Weight (Including Battery)	770 kg
Axle Load (Full Load), Driving Side/Load-Bearing Side	878/1892 kg
Axle Load (Empty load), Driving Side/Load-Bearing Side	533/237 kg

Wheel	
Tire Type	Polyurethane
Tire Size, Drive Wheel	Φ230×75 mm
Tire Size, Load-Bearing Wheels	Φ80×65 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	2035×980×1732 mm
Vehicle Length (Excluding Fork)	562 mm
Free Lifting Height	0
Lifting Height	1000 mm
Extended Mast Max Height	1638 mm
Fork Surface Minimum Height (When The Fork Is At Its Lowest)	85 mm
Charging Pad Height	500 mm
Fork Size	1150/180/70 mm
Fork Outer Width	680 mm
Minimum Ground Clearance	31.5 mm
Minimum Turning Radius	1370 mm
Minimum Right Angle Stacking Aisle Width	1905+200 mm
Right Angle Stacking Aisle Width, Pallet 1000×1200 (1200 Placed Along The Fork)	2043+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 Performanc .Full Load/Empty Load	3%/5%
Motion	
Drive Motor Power	1.25 KW
Power Of Lifting Motor	3.0 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 V/AH
BMS Communication	RS485/CAN

