

# PLATFORM LIFTER

AB-FLB-PL10



# ATOMBOTIX

## Multiple Safety Protections



Have multiple - level safety protections including front and rear laser detection, front and rear binocular detection, 360 degree anti collision edges, and emergency stop buttons

## Large - scale Cargo Handling



Be able to handle up to 1000kg of cargo, supporting lifting, carrying, rotating, and lowering operations

## Equipment Status Indication



Indicate various states of the vehicle through multiple lighting effects

## Friendly Human - machine Interaction



Support liquid - crystal touch screens and audio alarm prompts

## Wireless Network Communication



Support WiFi and 5G network communication, enabling unobstructed operation within the network coverage area

## Autonomous Positioning and Navigation



Achieve precise positioning through technologies such as QR codes, laser SLAM, and texture

## Flexible Motion Control



Employ two - wheel differential speed drive to support forward, backward, and rotational motion controls, ensuring smooth operation

## Intelligent Power Management



Support multi - level power threshold control. It automatically recharges when the power is low and resumes work after charging is complete

<b>Model</b>	<b>AB-FLB-PL10</b>
<b>Feature</b>	
Drive Mode	Differential drive of two wheels
Dimensions	1150 × 820 × 260 (±5) mm
Rotation Diameter	1199 mm
Self-weight	180 Kg
Rated Load	1000 Kg
Chassis Ground Clearance	25 mm
Lifting Panel Size	1030 × 770 mm
Lifting Drive	Electric
Lifting Height	60 mm
<b>Performances</b>	
Rated Operating Speed (Rated Load/No Load)	1.5 m/s; 2.0 m/s
Acceleration (Rated Load/No Load)	0.3 m/s <sup>2</sup> ; 0.6 m/s <sup>2</sup>
Rotation Speed (Full Load/No Load)	60 °/s; 100 °/s
<b>Battery</b>	
Battery Type	Lithium iron phosphate
Capacity/Rated Voltage	40 Ah/48V
Charge-Discharge Cycle Times	1,500 times
Rated Working Condition Endurance Time	8 h
Charging Time After Complete Discharge	≤1.5 h
<b>Other Parameters</b>	
Human-Computer Interaction Mode	Touch screen
Navigation Mode	Laser SLAM or 2D code
Front Laser Obstacle Avoidance (Quantity/Installation Height)	1 piece/198.5 mm
Opening Angle	250°
3D Vision Obstacle Avoidance	Optional
Rear Ultrasonic	Optional

Emergency Stop Buttons	4 pieces (front and rear each 2)
Contact Protection	Piezoelectric edge switch
Acoustic-Optic Alarm	Standard
Chassis Damping Mode	Two-stage floating chassis
Climbing Capacity	$\leq 5\%/3^\circ$
Step Capacity	$\leq 5$ mm
Gutter Crossing Capacity	$\leq 30$ mm
Signal	Supports dual-band Wi-Fi (2.4 GHz and 5 GHz), with wireless signal strength $\geq -70$ dBm.
Humidity	Relative humidity 10%-90% without condensation
Temperature	Working area: $-10^\circ\text{C} - 40^\circ\text{C}$ Charging area: $0^\circ\text{C} - 40^\circ\text{C}$

