

# PLATFORM LIFTER

AB-FLB-PL06



## 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 600kg 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

Model	AB-FLB-PL06
Feature	
Drive Mode	Differential drive of two wheels
Dimensions	950 × 650 × 250 mm
Rotation Diameter	963 mm
Self-weight	130 kg
Rated Load	600 kg
Chassis Ground Clearance	25 mm
Lifting Panel Size	850×600 mm
Lifting Drive	Electric
Lifting Height	60 mm

<b>Performances</b>	
Rated Operating Speed (Rated Load/No Load)	1.5 m/s; 1.9 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)	100°/s; 200°/s
<b>Battery</b>	
Battery Type	Lithium iron phosphate
Capacity/Rated Voltage	24 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/201.5 mm
Opening Angle	250°
3D Vision Obstacle Avoidance	Optional
Rear Ultrasonic	Optional
Emergency Stop Buttons	2 pieces (front and rear each 1)
Contact Protection	Piezoelectric edge switch
Acoustic-Optic Alarm	Standard
Chassis Damping Mode	Two-stage floating chassis
Climbing Capacity	≤5%/2.8°
Step Capacity	≤5 mm
Gutter Crossing Capacity	≤30 mm
Signal	Supports dual-band Wi-Fi (2.4 GHz and 5 GHz), with wireless signal strength ≥ -70 dBm.
Humidity	Relative humidity 10%–90% without condensation
Temperature	Working area: -10°C – 45°C Charging area: 0°C – 45°C

