X300B / X300B-L

Product Parameters

Product Model	X300B / X300B-L
Driving Method	Two-wheel differential drive
Navigation Method	Laser SLAM + VSLAM + Visual Assisted Navigation
Mapping Area	20,000 m²
Vehicle Size	852 × 506 × 1270 mm
Chassis Height	270 mm
Rotation Diameter	950 mm
Chassis Ground Clearance	25 mm
Vehicle Weight	≈ 120 kg
Maximum Load	300 kg
Lift Height	60 mm
Stopping Accuracy	±20 mm
Running Speed	1.2 m/s (empty load); 1 m/s (full load)
Passage Slope	5°
Battery Type	Lithium iron phosphate battery, 24V 30Ah
Battery Life	Empty load: 12 h; typical operating conditions: 8 h
Charging Method	Manual charging / automatic charging
Charging Duration	3.5 h
Communication Method	4G / WiFi / LoRa (optional) / ESP32
Obstacle Detection	Diagonal laser radar + 2 sets of depth cameras