

Product model		AMB-500JS
Basic parameters	Product name	Laser SLAM Safety Lifting Robot
	Navigation type	Laser SLAM
	L x W x H	1330 x 952 x 290 mm
	Rotation diameter	1460 mm
	Weight (with battery)	265 kg
	Maximum load capacity	500 kg
	Chassis ground clearance	30 mm
	Lifting platform dimensions	1300 x 920 mm
	Maximum lifting height	60±1 mm
	Navigation laser scanning height	175 mm
	Ambient temperature and humidity range	TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation
Performance parameters	Passability (slope / step / gap)	≤5% / 5 mm / 10 mm
	Minimum aisle width	1050 mm
	Navigation position accuracy	±5 mm
	Navigation angle accuracy	±1°
	Driving speed	≤1.5 m/s
Battery parameters	Battery specifications	48 V / 40 Ah (lithium iron phosphate)
	Comprehensive battery life	7 h
	Charging time (10% to 80%)	≤2 h
	Charging method	Manual / Automatic
Configurations	Lidar number	2 (SICK nanoScan3)
	E-stop button	●
	Speaker	●
	Ambient lamp	●
	Bumper strip	●
Function configurations	Basic functions	●
	Wi-Fi roaming	●
	Automatic charging	●
	Shelf recognition	●
	Laser reflector navigation	○
Certifications	EMC	●
	UN38.3	●
	MD	●
	RED	●