



Load Type



# MP500L

## Safe Lifting, Super Load Capacity



### CE Safety Certified, Outstanding Performance & Excellent Safety Standard by Design

Option CE certification (ISO 3691-4:2020) and other certifications.



### Charge 1 h, Full-loaded Endurance 7 h

The charging pile is optional for 40 A quick charge, 1 hours of charging for 7 hours of running.



### ±5 mm Accuracy, Laser SLAM Navigation

SLAM navigation accuracy of ±5 mm, without reflectors.



### Single-sided ≥7 cm Wide Area Rack Identification

With unilateral ≥7 cm distance wide, the AGV could accurately recognize the rack, adjust its position, and drive precisely into it, successfully lift the goods.



### Two Load Capacity of 500 / 1000 kg

Optional 500 kg or 1000 kg load models, catering to the load requirements in multiple scenarios.



### Intelligent Fleet Manager That Optimized Your Workflow

SESTO Robotics' Magfleet uses AI to optimise the delivery throughput and prevent congestion



## Basic parameters

Product name	MP500L
Navigation type	Laser SLAM
L × W × 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	●

## Function configurations

Basic functions	●
Wi-Fi roaming	●
Automatic charging	●
Shelf recognition	●
Laser reflector navigation	○

## Certifications

EMC / ESD	●
UN38.3	●
MD	●
RED	●

## Dimensions

(MM)

