



Load Type



# MP1000L

## Safe Lifting, Super Load Capacity



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

Option CE certification (ISO 3691-4:2020)



### 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

# Parameter Specification

● Standard ○ Optional

**SESTO™**

## Basic parameters

|  |   |
|--|---|
| Product name                           | MP1000L   |
| 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                  | 1000 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)

