

## Cleaning robot

# S100 PRO M



### Key features

- **Advanced Navigation:** Equipped with 3D LiDAR, Line LiDAR, cameras, and sensors for precise mapping and safe operation.
- **Multi-Function Cleaning:** Performs sweeping, vacuuming, wet mopping, and disinfection simultaneously, no manual switching required.
- **Smart Obstacle Avoidance:** Detects obstacles of all sizes and operates reliably in dynamic environments.
- **Multi-Surface Capability:** Adjustable settings ensure effective cleaning on wood, stone, ceramic, epoxy, and other floor types.
- **High Efficiency:** Cleans up to 1,000 m<sup>2</sup>/h with up to 6 hours of operation after fast charging.
- **Digital Management:** Supports task scheduling, real-time monitoring, and detailed cleaning reports.

## Specifications

### Structural Specifications

Size (L × W × H)	645 × 495 × 585 mm	Operating humidity	≤95%
Net weight	61 kg	Power-on self-test	✓
Noise level	≤ 70 dB	Information panel	10.1"
Gradeability	≤ 8°	Intelligent voice	✓
Operating temperature	0°C~50°C	Ambient light	✓

### Navigation & Safety

3D LiDAR	✓	Collision detection safety edge	✓
Line LiDAR	✓	Anti-falling cliff detection	✓
Ultrasonic sensors	✓	Water level detection sensor	✓
Depth camera	✓	Warning light	✓
Gyroscope	✓	Emergency stop switch	✓
Top vision sensor	✓		

## Cleaning Specifications

Cleaning width	600 mm	Automatic recharge	✓
Cleaning speed	1000 m <sup>2</sup> /h	Obstacle height	≥30 mm
Suction power	13 kPa	Zero turn	✓
Working width	800 mm	Adjustable water flow	✓
Water tanks volume	12.5 L (each)	Real-time water level monitoring	✓

## Battery Specifications

Battery type	Lithium-ion	Remote control	✓
Charging time	≤ 2.5 hrs	IOT	✓
Battery life	6.5 hrs	Automatic elevator ride	✓
Battery capacity	20 Ah	WIFI	✓
Voltage	58.8 V	4G-LTE	✓
		OTA	✓

## Conectivity

