

## Cleaning robot

# S100 PRO R



### Key features

- **Exceptional suction power:**  $\geq 24$  kPa and advanced suction squeegee for removing liquids, dirt, and debris.
- **Deep cleaning:** Simultaneous sweeping, vacuuming, scrubbing, and water removal.
- **Advanced 3D navigation:** 3D LiDAR, Line LiDAR, cameras, and sensors for accurate mapping and safe movement.
- **Cleaning of various surfaces:** Wood, ceramic, stone, epoxy, etc. with adjustable pressure and water flow.
- **High efficiency:** Up to 1,000 m<sup>2</sup>/h and up to 6 hours of continuous operation for fast cleaning of large areas.
- **Digital management:** Task planning, real-time monitoring, cleaning reports, etc.

## Specifications

### Structural Specifications

Size (L × W × H)	645 × 495 × 585 mm	Operating humidity	≤95%
Net weight	60 kg	Power-on self-test	✓
Noise level	≤ 80 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	≥24 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 hrs	Automatic elevator ride	✓
Battery capacity	20Ah	WIFI	✓
Voltage	58.8 V	4G-LTE	✓

## Conectivity

OTA	✓
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