



Latent Lifting AMR for
Smart Factories & Warehouses



YK-600-L AMR

600 kg Rated Load

额定负载 600kg

8 h Operating Time

额定工况续航8h

QR Code / Laser Navigation

二维码/激光导航

Flexible Motion

双轮差速柔性运动

Multi-level Safety Protection

多重安全防护



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Features

功能特性

- **Autonomous Positioning & Navigation:** Utilizes inertial navigation, laser SLAM, and other technologies to achieve precise positioning.
自主定位导航:采用惯性导航、激光 SLAM 导航等技术实现精确定位。
- **Flexible Motion Control:** Adopts dual-wheel differential drive, supporting forward, backward, rotation and other motion controls, with smooth and gentle movement.
柔性运动控制:采用双轮差速驱动,支持前进、后退、旋转等运动控制,运动过程平滑柔顺。
- **Smart Power Management:** Supports multi-level battery threshold control; automatically recharges when battery is low, and autonomously returns to work after charging is complete.
智能电源管理:支持多等级电量阈值控制,低电量时自主充电,完成充电后自主返回工作。
- **Multi-Level Safety Protection:** Equipped with forward laser obstacle avoidance, side ultrasonic obstacle avoidance, mechanical collision detection, emergency stop button, and other multi-tier safety features, ensuring safe and reliable motion control.
多重安全防护:前置激光避障,侧面超声避障,机械碰撞检测,急停按钮等多级安全防护,实现安全可靠的运动控制。
- **User-Friendly HMI:** Supports touch screen and audible/visual alarms to indicate device status.
人机交互友好:支持触摸屏、声光告警提示设备状态。
- **Heavy Load Handling:** Supports lifting, transporting, rotating, and lowering of goods up to 600 kg.
大型货物搬运:支持 600kg 货物举升、搬运、旋转、下放。
- **Wireless Network Communication:** Supports Wi-Fi communication and seamless roaming, enabling obstacle-free operation within network coverage areas.
无线网络通信:支持 WIFI 网络通信和无缝漫游,网络覆盖区域无障碍运行。



Technical Parameters

技术参数

Model / 型号	YK-600-L
Basic Parameters / 基本参数	
Overall Dimension (L*W*H) 外形尺寸(长L*宽W*高H)	950*650*250(mm)
Rotation Diameter 旋转直径	995(mm)
Self Weight 举升高度	60(mm)
Ground Clearance 底盘离地间隙	25(mm)
Lifting Platform Size 举升台面尺寸	850*600(mm)
Lifting Type 举升类型	Electric lifting / 电动举升
Self Weight 自重	134(kg)
Rated Load 额定负载	600(kg)
Navigation Method 导航方式	Laser SLAM navigation 激光SLAM导航
Human-Machine Interaction 人机交互方式	Touch screen / 触摸屏
Safety Protection / 安全防护	
Front Laser Obstacle Avoidance Installation Height 前侧激光避障安装高度	190 (mm)
Front Laser Obstacle Avoidance Opening Angle 前侧激光避障开角	260 (°)
Front Laser Obstacle Avoidance Maximum Detection Range 前侧激光避障最大检测范围	10 (m)
Side Ultrasonic Obstacle Avoidance Sensor Count 侧面超声避障传感器数量	2
Side Ultrasonic Obstacle Avoidance Installation Height 侧面超声避障安装高度	188 (mm)
Side Ultrasonic Obstacle Avoidance Opening Angle 侧面超声避障开角	Horizontal: 80, Vertical: 34 水平:80, 垂直:34
Side Ultrasonic Obstacle Avoidance Maximum Detection Range 侧面超声避障最大检测范围	0.2~1 (m)
Bumper Strip 碰撞条	Mechanical bumper strip 机械碰撞条
Emergency Stop Button 急停按钮	Equipped / 具备

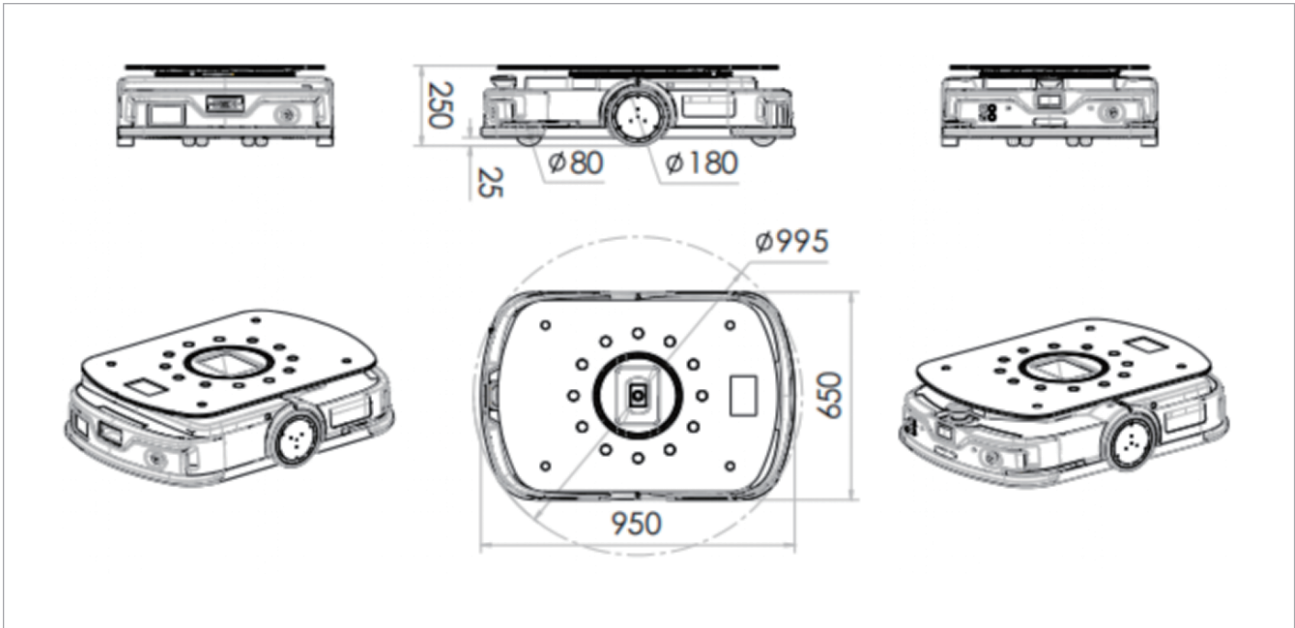
Technical Parameters

技术参数

Model / 型号	YK-600-L
Motion Performance / 运动性能	
Rated Travel Speed (No Load) 额定运行速度(空载)	2(m/s)
Rated Travel Speed (Rated Load) 额定运行速度(额定负载)	1.8(m/s)
(Rated Acceleration (No Load) 额定加速度(空载)	1(m/s ²)
(Rated Acceleration (Rated Load) 额定加速度(额定负载)	0.5(m/s ²)
Rotation Speed (No Load) 旋转速度(空载)	200(°/s)
Rotation Speed (Rated Load) 旋转速度(额定负载)	50(°/s)
Gradeability 爬坡度	3(°)
Positioning Angular Accuracy (via Visual Correction) 定位角度精度(通过视觉导正)	±1(°)
Positioning Accuracy (via Visual Correction) 定位精度(通过视觉导正)	±10(mm)
Battery Performance / 电池性能	
Battery Type 电池类型	LiFePO ₄ / 磷酸铁锂
Rated Voltage 额定电压	48(V)
Charge Cycle Life 充电循环次数	1500
Operating Time under Rated Conditions 额定工况下工作时间	6.5(h)
Charging Time after Full Discharge 完全放电后充电时长	≤1.5(h)

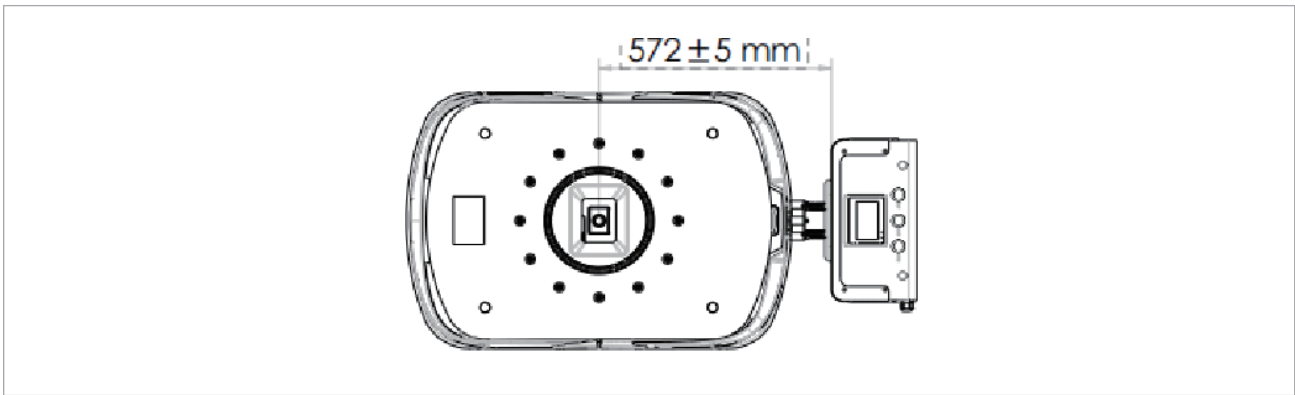
Overall dimensions

外形尺寸



AMR charger locations

充电桩位置



Optional accessories

可选配件

Accessory / 配件	Spec & Qty / 规格数量
Charging Station 充电桩	1
Ramp 斜坡	1
External Debugging Cable 外部调试线	Standard Ethernet Cable; Standard Adapter Cable 标准网线; 标准转接线