

BW-AMR-KIVA-400-L/C

托盘 AMR 小车 -KIVA-400



Characteristics / 产品特征

- 自主定位导航：采用惯性导航、激光 SLAM 导航 / 二维码导航等精确定位
Autonomous Positioning & Navigation: Utilizes multi-sensor fusion (including Inertial, Laser SLAM, and QR Code navigation) for precise localization.
- 柔性运动控制：采用双轮差速驱动，支持前进、后退、旋转
Flexible Motion Control: Employs a Differential-Drive System, supporting forward/backward movement and in-place rotation.
- 智能电源管理：支持多等级电量阈值控制，低电量自主充电
Intelligent Power Management: Features multi-level battery threshold control, enabling autonomous charging at low power levels.
- 多重安全防护：前置激光避障，机械碰撞检测等多级安全防护
Multi-Layer Safety Protection: Incorporates front laser obstacle avoidance and mechanical bumper sensors for comprehensive safety.
- 无线网络通信：支持 WIFI 网络通信和无缝漫游
Wireless Network Communication: Supports Wi-Fi connectivity with seamless roaming capabilities.

Technical Data / 产品参数

参数名称 Parameter Name	单位 Unit	数值 Data
外形尺寸：长 * 宽 * 高 Overall Dimensions: Length*Width*Height	mm	780(L)*545(W)*300(H)
举升高度 Lifting Height	mm	60
举升类型 Lifting Type	-	电动举升 Electrically Powered Lifting
自重 Dead Weight	kg	93
额定负载 Rated Load	kg	400
导航方式 Navigation Method	-	激光 SLAM 导航 / 二维码导航 Laser SLAM Navigation / QR Code Navigation
额定运行速度（空载 / 负载） Rated Travel Speed (Unloaded/Loaded)	m/s	2/1.8
额定加速度（空载 / 负载） Rated Acceleration (Unloaded/Loaded)	m/s ²	0.8/0.4
旋转速度（空载 / 负载） Steering Speed (Unloaded/Loaded)	°/s	200/80
爬坡度 Gradeability	°	3
定位精度（通过视觉导正） Positioning Accuracy (with Vision Correction)	mm	±10
定位角度精度（通过视觉导正） Angular Positioning Accuracy (with Vision Correction)	°	±1
安全防护 Safety Features		前侧激光避障 / 碰撞条检测 / 急停按钮 Front Laser Obstacle Avoidance / Bumper Collision Sensor Emergency Stop Button (E-Stop)
电池系统 Battery System		磷酸铁锂 / 48V / 1500 次充电循环 / 额定工况运行时长 8h LiFePO ₄ (Lithium Iron Phosphate) / 48V / 1,500 Charge Cycles Runtime under Rated Conditions: 8 hours