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Laser SLAM Omni-Directional Lifting

SJV-W600DS-DL

Omni-directional Motion, Excellent in Narrow Aisles



Multiple Navigation Options Available

Laser SLAM and QR code navigation can be switched freely and easily deployed, meeting the requirements of multiple scenarios and different accuracy.



More Flexible Omni-directional Motion

The omni-directional motion model allows for unrestricted moving and less restriction in the scenarios.



Security Protection

All-round protection via LIDAR + Safe edge.



Efficient and Intelligent

The schedule and warehousing systems can be accessed seamlessly for in-depth business management and optimization.



Slender Design

A slender design of 546 mm for various narrow aisles .



High Load Capacity and Long Battery Life

High-performance load capacity supports a load of 600 kg, and 6.5 h battery life.

Parameter Specification

● Standard ○ Optional



Basic parameters

Navigation type	Laser SLAM
L x W x H	1276 x 546 x 365 mm
Rotation diameter	1322 mm
Weight (with battery)	320 kg
Maximum load capacity	600 kg
Chassis ground clearance	25 mm
Lifting platform dimensions	1250 x 510 mm
Maximum lifting height	60±1 mm
Navigation laser scanning height	277 mm (H1)
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) [2]	≤5% / 5 mm / 30 mm
Minimum aisle width	660 mm
Navigation position accuracy [3]	±5 mm
Navigation angle accuracy [3]	±0.5°
Driving speed	≤1.2 m/s

Battery parameters

Battery specifications	48 V / 30 Ah (lithium iron phosphate)
Comprehensive battery life	6.5 h
Charging time (10% to 80%)	≤1.5 h
Charging method	Manual / Automatic

Configurations

Lidar number	1 (H1)+1 (C2)
E-stop button	●
Speaker	●
Ambient lamp	●
Bumper strip	●

Function configurations

Basic functions	●
Wi-Fi roaming	●
Automatic charging	●
Shelf recognition	●
Precise positioning with QR code	○
QR code navigation	○
Laser reflector navigation	○

Certifications

UN38.3	●
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Dimension (mm)

