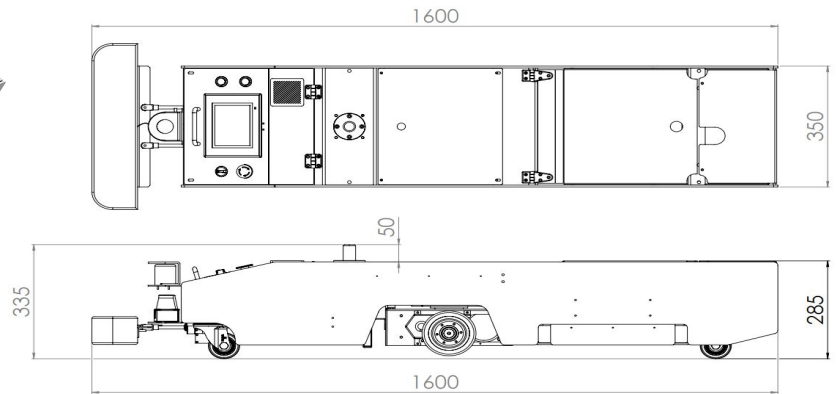


## AGV-L (Low Profile) Technical Data Sheet



<b>Towing Capacity</b>	700 kg / 1540 lbs.	<b>HMI Display</b>	5.7" Color Touch Screen Display Operate, Status, Configure, Command, Alarm History, etc
<b>AGV Size(L*W*H)</b>	1600 * 350 * 285mm	<b>Multi-Language</b>	English, Spanish, Portuguese
<b>Travel Speed</b>	45 mpm / 147 fpm (unloaded) (adjustable by command)	<b>Safety Devices</b>	Lidar 2D Laser scan sensor (Sick) Bumper Sensor, Emergency Switch Buzzer Signal, Tower lamp
<b>Guidance System</b>	Magnetic Guide Sensor (N pole detect, 8 bit resolution)	<b>Protective Circuit</b>	Power and Motor over-current protection (protected by CP and motor drive)
<b>Control System</b>	PLC with HMI (Omron)	<b>Battery</b>	24V 75 AH (Sealed AGM 2 battery) 10 hours cycle Time Low voltage check alarm system
<b>Drive Type</b>	Dual differential drive wheels (100W * 2)	<b>Battery Charger</b>	24V 12.5A (charging Time up to 6 hours) Protection for Short circuit, over volt, Temp.
<b>Drive Motor</b>	100W BLDC motor (high efficiency and long life time) Electric Brake System	<b>Manual Control</b>	HMI Touch Control (out of the lane )
<b>Stop accuracy</b>	± 10mm (0.5 inch)	<b>Additional Options</b>	RF Remote Control for RUN / STOP Head Light (Blue, White) for Safety Loading Conveyor System
<b>Command System</b>	RFID Card (Same size as name card ) 32 variable Command * 100ea	<b>Communication (Optional)</b>	WIFI Communication with TCS (Traffic Control System) or other Equipment
<b>Turn Radius</b>	Min 600mm / 2ft	<b>Traffic Control system (Optional)</b>	Crossway Control, Monitoring, AGV Control, Data Transfer, Route Program, AGV Call Mobile, Computer Remote Access, Internet Online Service
<b>Wheel Lift System</b>	Automatic motor lifting System		

- Program up to 100 SMART routes
- Register up to 100 RFID commands
- Command up to 30 Multi-Travel functions
- One hand touch screen
- Manual control for non-guided track
- RF remote control to start and stop (optional)
- Monitor AGV battery percentage
- Monitor AGV travel status
- Track alarm history
- Multi-Language support(English, Spanish, Portuguese)
- Notification Tower Light, Laser Lidar sensor, Bumper Collision sensor for safety
- Cost friendly installation due to the use of magnetic guidance system
- Durable and protective film for magnetic guide tape
- Easy to register and install RFID command card
- Motorized wheel lifter to manually move the AGV
- Compatible with most batteries
- Easy to exchange and charge battery
- Efficient and convenient WIFI AGV traffic control communication system (Optional)