



# AGV **L2**

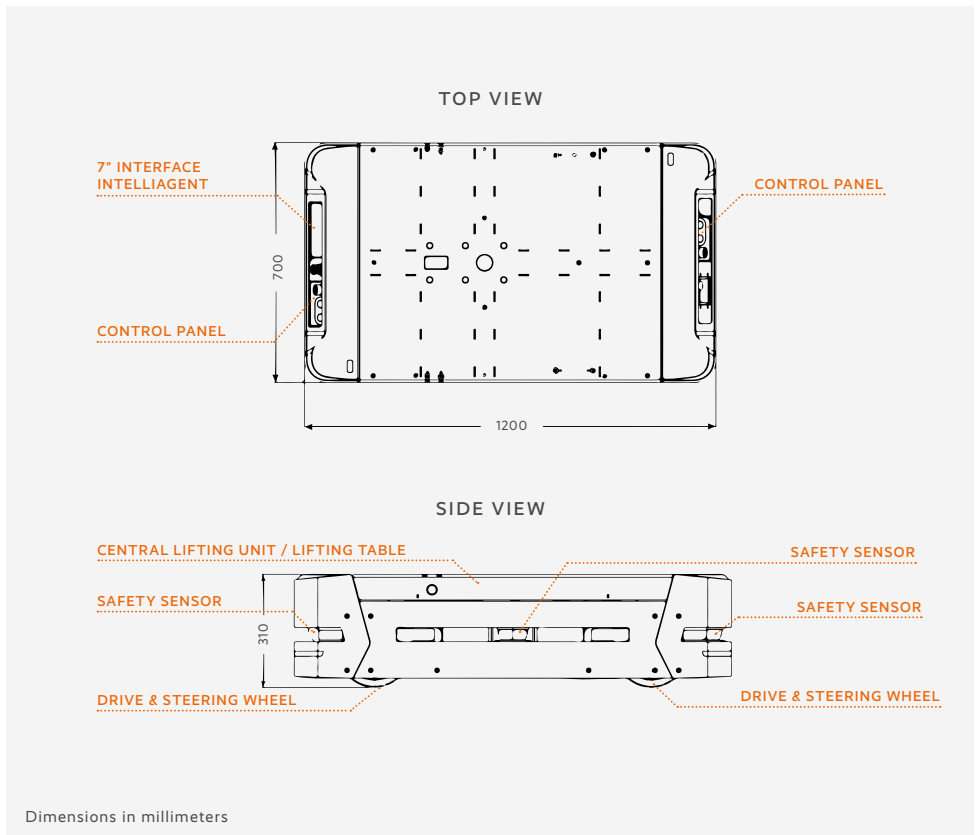
MOBILE TRANSPORT ROBOT

DATASHEET (PRELIMINARY)

**SAFELOG**

## GENERAL INFORMATION

- Omnidirectional movement
- Wear-free charging during operation due to inductive charging system
- Scalable battery capacity with LiFePO4 batteries to adapt to process requirements
- 7" touch user interface for easy interaction
- Agent-based system that enables communication between the AGVs and their environment
- Electric lifting unit for picking up and delivering loads up to 1500 kg\*
- Driving speeds from 0.02 m/s up to 1.6 m/s
- Lifting height of 160 mm
- Navigation: track guided (magnetic track or virtual track) as well as free navigation in space
- Hybrid localization: grid-sensor, contour detection, camera, RFID, odometry and magnetic track
- Safety laser scanner in each direction of travel



# TECHNICAL INFORMATION (PRELIMINARY)

## PRODUCT

Product name	SAFELOG AGV L2
Article number	107366

## ELECTRIC DATA

Operating voltage AGV (V)	24 DC
Charging time with inductive charger (for 1/2/3 batteries) (min)	30   40   60*
Nominal voltage (V)	24
Capacity (for 1/2/3 batteries) (Ah)	21   42   63

## OPERATIONAL DATA

Temperature range (°C)	+5 to +35
Positioning accuracy (mm)	+/- 5*
Min. turning radius (m)	1.0
Max. speed with/without payload (m/s)	1.0   1.6*
Continuous driving without payload (for 1/2/3 batteries) (h)	4   8   12*

## MECHANICAL DATA

Casing material	Steel/technopolymers
Dimensions L   W   H (mm)	1200   700   310
Weight AGV (kg)	329
Max. topload AGV (kg)	1500*
Max. tow weight AGV (trolley) (kg)	2000*
Max. lifting height (lifting unit) (mm)	160

\*environment-dependent

