



AGV *S3*

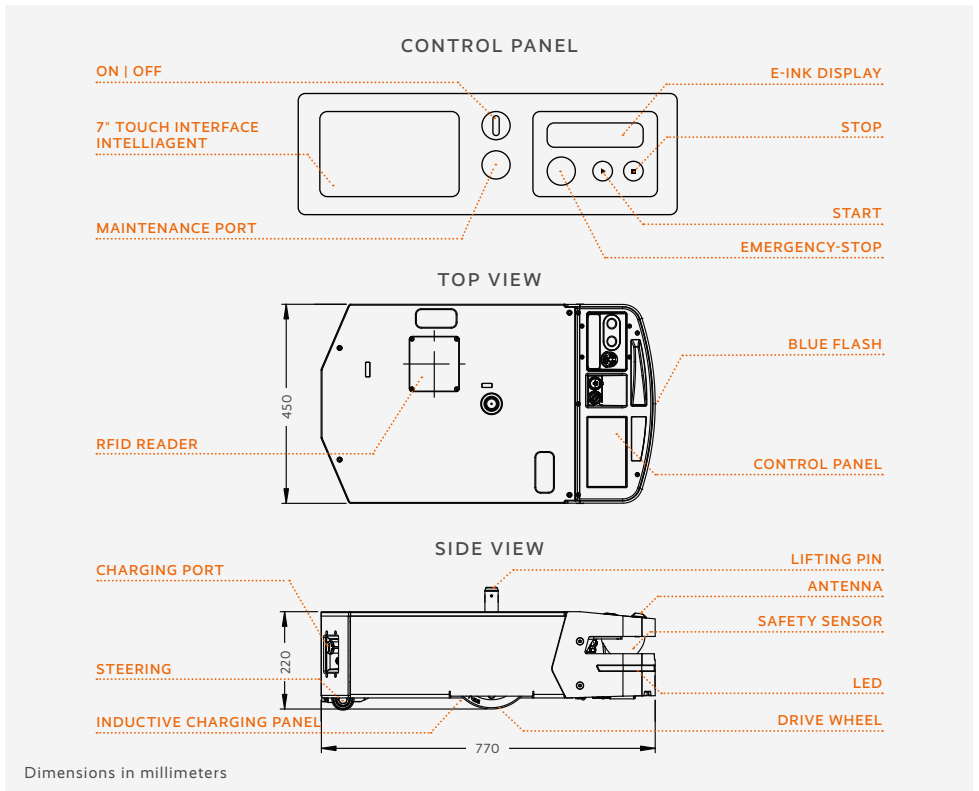
MOBILE TRANSPORT ROBOT

DATASHEET

SAFELOG

GENERAL INFORMATION

- Forward and reverse drive
- Differential drive enables turning on the spot
- Turning with a track width of 1 m
- Wear-free charging during operation due to inductive charging system
- LiFePO4 battery
- Flat design with only 220 mm height - ideal for driving underneath trolleys
- Agent-based system that enables communication between the AGVs and their environment
- Electric lifting pin for towing trailers up to 500 kg*
- Driving speeds from 0.02 m/s up to 1.6 m/s
- Navigation: track guided (magnetic track or virtual track) as well as free navigation in space
- Hybrid localization: contour detection, camera, RFID, odometry and magnetic track
- Safety laser scanner in the direction of travel



TECHNICAL INFORMATION

PRODUCT

Product name	SAFELOG AGV S3
Article number	107060

ELECTRIC DATA

Operating voltage AGV (V)	24 DC
Charging time with inductive charger (min)	30*
Nominal voltage (V)	24
Capacity (Ah)	21

OPERATION DATA

Temperature range (°C)	+5 to +35
Positioning accuracy (mm)	+/- 5*
Min. turning radius (m)	0.7
Max. speed with/without payload (m/s)	1.0 1.6*
Continuous driving without payload (h)	4*

MECHANICAL DATA

Casing material	Steel
Dimensions L W H (mm)	770 450 220
Weight AGV (kg)	150
Max. topload AGV (kg)	150*
Max. tow weight AGV (trolley) (kg)	500*
Max. traverse path (lifting pin) (mm)	55

*environment-dependent

