

CARY® *light*

autonomous transport of light goods

TECHNICAL DATA



GENERAL SPECIFICATIONS

weight [kg]	50
dimensions (LxWxH) [mm]	500 x 500 x 1550
max. speed [m/s]	1.2
max. operating time per battery charge [h]	12
temperature during operation [°C]	+5 to +40
temperature during transport [°C]	-25 to +55
humidity	20 % - 60 % rH
minimum passage width [cm]	80
max. gradient	5 %
ground clearance [mm]	15

BATTERY

type	LFMP
nominal capacity [Ah]	40
operating voltage [V]	26
lifetime	≥ 1500 discharge cycles (80% DOD)
rate of self-discharge [%]	≤ 3
charging time (0% zu 80%) [h]	5

POWER SUPPLY	
type	MetraLabs autonomous charging station (ACS)
input power [W]	max. 1200
DRIVE	
type	Brushless DC electric motors (BLDC)
system	ISO 13849-1, performance level d
software	CogniDrive® [Metralabs]
TRANSPORT SPACE	
dimensions (LxWxH) [mm]	customised (max. height 500)
max. payload [kg]	25
SAFETY	
safety laser scanner (horizontal)	Yes
3D-cameras	Yes
blue spot	optional
acoustic warning system	optional
bumper	Yes
CE	Yes