

# Variants & Specifications–Novus Carry Series

## AUTONOMOUS MOBILE ROBOT – AMR

DESCRIPTIONS	AMR 100	
<b>Payload</b>		<b>Capability</b>
Maximum payload	100kg(220lbs)	Maximum speed 1m/s(2.2mph)
<b>Dimensions/chassis</b>		Required aisle width (one way traffic) 1050mm or as per standard
Length	850mm(33.4in)	Required aisle width (two way traffic) 2100mm or as per standard
Width	550mm(21.6in)	Positioning accuracy (moving to position) ±50mm
Height	368mm(14.4in)	Positioning accuracy (docking) ±10mm
Ground clearance	35mm	Maximum incline/decline 2% pass over
Weight	240kg	
<b>Energy System</b>		<b>Environment</b>
Battery type	Lithium Ion	Ambient temperature range, operation 5 to 50 °C
Voltage	24V DC	Humidity 10 to 90% non-condensing
Battery capacity	54Ah	IP rating IP-21
Active operation time with maximum payload	6 hours	Floor conditions 1.5% evenness
Active operation time with no payload	10 hours	
Charging current	30A CCCV	<b>Technology</b>
Charge Time	~120 minutes	Wi-Fi 2.4 GHz 802.11 g/n, 5 GHz 802.11 a/n/ac
Battery Life	2000 cycles standard 3000 cycles optional	Interfaces USB, Ethernet, WiFi, LTE
Charging Options	Charging Options	Navigation Natural
		Localization 3D LiDar
<b>Safety System</b>		
Safety sensors	360° safety coverage with multiple laser area sensors	
E-Stops	Available, four sides	
Signal and status lights	Available, for audio & visual alarms	
<b>Design Standards</b>		
International standards	ISO 3691-4, EN-1525, ISO 13849	