

# Variants & Specifications–Novus Carry Series

## AUTONOMOUS MOBILE ROBOT – AMR

DESCRIPTIONS	AMR 1500	
<b>Payload</b>		<b>Capability</b>
Maximum payload	1500kg(3300lbs)	Maximum speed .83m/s(1.8mph)
<b>Dimensions/chassis</b>		Required aisle width (one way traffic) 2150mm or as per standard
Length	1740mm(68.5in)	Required aisle width (two way traffic) 4300mm or as per standard
Width	1140mm(44.9in)	Positioning accuracy (moving to position)
Height	380mm(15.0in)	Positioning accuracy (docking) ±10mm
Ground clearance	35mm	Maximum incline/decline 2% pass over
Weight	420kg	
<b>Energy System</b>		<b>Environment</b>
Battery type		Ambient temperature range, operation 5 to 50 °C
Voltage	48V DC	Humidity 10 to 90% non-condensing
Battery capacity	76.5Ah	IP rating IP-21
Active operation time with maximum payload	6 hours	Floor conditions
Active operation time with no payload	10 hours	
Charging current	40A CCCV	<b>Technology</b>
Charge Time	~120 minutes	Wi-Fi
Battery Life	2000 cycles standard 3000 cycles optional	Interfaces
Charging Options		Navigation
		Localization
<b>Safety System</b>		
Safety sensors		
E-Stops		
Signal and status lights		
<b>Design Standards</b>		
International standards	ISO 3691-4, EN-1525, ISO 13849	