

# Variants & Specifications–Novus Carry Series

## AUTONOMOUS MOBILE ROBOT – AMR

DESCRIPTIONS	AMR 500
<b>Payload</b>	
Maximum payload	500kg(1100lbs)
<b>Dimensions/chassis</b>	
Length	1170mm(46.1in)
Width	750mm(29.5in)
Height	425mm(16.7in)
Ground clearance	35mm
Weight	260kg
<b>Capability</b>	
Maximum speed	
Required aisle width (one way traffic)	1250mm or as per standard
Required aisle width (two way traffic)	2500mm or as per standard
Positioning accuracy (moving to position)	
Positioning accuracy (docking)	±10mm
Maximum incline/decline	2% pass over
<b>Energy System</b>	
Battery type	
Voltage	
Battery capacity	100Ah
Active operation time with maximum payload	6 hours
Active operation time with no payload	10 hours
Charging current	40A CCCV
Charge Time	~150 minutes
Battery Life	2000 cycles standard 3000 cycles optional
Charging Options	
<b>Environment</b>	
Ambient temperature range, operation	5 to 50 °C
Humidity	10 to 90% non-condensing
IP rating	IP-21
Floor conditions	
<b>Technology</b>	
Wi-Fi	
Interfaces	
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