

Variants & Specifications–Novus Carry Series

AUTONOMOUS MOBILE ROBOT – AMR

DESCRIPTIONS

AMR 500

Payload

Maximum payload 500kg(1100lbs)

Dimensions/chassis

Length 1170mm(46.1in)

Width 750mm(29.5in)

Height 425mm(16.7in)

Ground clearance 35mm

Weight 260kg

Capability

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

Energy System

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

Environment

Ambient temperature range, operation 5 to 50 °C

Humidity 10 to 90% non-condensing

IP rating IP-21

Floor conditions

Technology

Wi-Fi

Interfaces

Navigation

Localization

Safety System

Safety sensors

E-Stops

Signal and status lights

Design Standards

International standards ISO 3691-4, EN-1525,
ISO 13849