



NEXT GENERATION **UGS**

RHEINMETALL MISSION MASTER SP2 – CARGO

THE RHEINMETALL MISSION MASTER SP2 IS A FULLY AUTONOMOUS, STEALTHY BATTERY-POWERED UGS DESIGNED FOR HIGH MOBILITY DISMOUNTED OPERATIONS IN CHALLENGING AND HARSH ENVIRONMENTS

TACTICAL MISSION TASKS – MISSION MASTER SP2 CARGO

TASK NAME	DESCRIPTION
Casualty evacuation (CASEVAC)	Transport injured casualties from the combat zone to a medical or trauma facility
Autonomous resupply	Replenish stocks to maintain required levels of supply
Follow and support	Follow a force and support it by transporting vital equipment and supplies

SPECIFICATIONS

SIZE AND WEIGHT	OPTIONS
Length	3.195 m
Width	1.535 m
Height	96 cm
Ground clearance	25 cm
Curb weight	1300 kg/2866 lbs
SPEED AND PERFORMANCE	TRANSPORTABILITY
Maximum payload	1000 kg/2200 lbs
Maximum speed	40 kph/25 mph
Drive range on single charge	50 km/31 miles
Max. climb grade	40 degrees (reduced payload TBD)
Turning radius	Zero degrees
AMPHIBIOUS CAPABILITIES	COMPLIANCE
Maximum payload on water	400 kg/880 lbs
Maximum speed on water with propulsion kit	5 km/h
POWER	NATO military standards
Propulsion system	Direct electric motor drive
Battery type	20 kWh/100V Li-Ion NMC
	Water propulsion
	3 kW integrated electric propeller with remote steering and stow/deploy
	Stowed and deployable stabilization outriggers
	Saltwater corrosion resistance package
	Internal air transport
	roll on roll off
	CH53\E, CH53\K, CH47, C130, V22
	Sling loadable
	Yes
	Towing behind a vehicle
	Up to 70 kph/44 mph
	ISO container shipping
	Yes
	Follow another vehicle using
	autonomous convoy mode
	Yes up to 40 kph/25 mph
	U.S. military standards
	MIL-STD-209K

KEY ELEMENTS

Strong plate and cowling	Lightweight aluminum Ingress protection rating of IP67 Integrated climate control system for efficient drive and battery performance Hydraulic opening system to lift the strong plate and cowling with full payload for ease of maintenance activities
Additional information on the Rheinmetall Mission Master	Autonomous navigation with the Rheinmetall PATH A-Kit Optional external generator for range extension Control of the UGS and payloads from a single user interface Easy-to-install modular ISR and weapons payloads Counter UAS modular payloads HARDOX high performance steel hull

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