

Technical Datasheet

MBS ROVO 2 track vehicle

Status: July 2021



The ROVO 2 configuration ensures even more off-road mobility and also allows the highest payload. With the studded profile, even the most impassable terrain is safely mastered.

Size and Weight

Dimensions (L x W x H)	1200 x 1230 x 530 mm
Net weight (including battery)	290 kg
Ground clearance	160 mm
Ground pressure	5.2 kg/dm ²

Features

Terrain tracks	Profile depth 3.0 cm
Gearbox	i16
Motor power rating	2 x 7.5 kW
Application area	off-road heavy loads rough terrain

Performance

Top speed	20 km/h
Torque	1.000 Nm
Payload	500 kg
Nominal capacity	2 x 7.5 kW
Usage time/Range (1 battery)	Up to 8 hrs / 40 km

Control & Software

Remote control	Radio remote control 434 MHz/300 m
External control	CAN interface
Software	Ubuntu 18.04 + ROS Melodic
Simulation	Gazebo & Webots
Visualization	RVIZ

Power Supply

Mattro EP88	Lithium-ion exchangeable battery
Capacity	8.8 kWh
Voltage	100 V
Outputs (optional)	12/24/48/100 V
Charger (standard)	3 kW/230 V
Charging time (standard/fast)	4 hours/2.5 hours

Operational Conditions

Operating temperature range	-20°C up to +40°C
Storage temperature range	-20°C up to +50°C
Protection class	IP65