



Reliable

The RMP 440 SE leverages all of the redundant safety features of the Segway® Personal Transporter (PT). The motor controllers and brushless DC drive motors are each fully redundant, allowing component failures to be handled smoothly and safely.

Five lithium-ion batteries provide a run time of ~8 hours of operation or ~24 hours in standby. To charge the batteries, simply connect the charger cable.

Enclosure

The RMP 440 SE's small enclosure provides 2 channels of DC power (12 V and 24 V default) and can be placed anywhere along the mounting rails (front, rear or in the middle). Simply locate it where it won't interfere with other equipment on top of the RMP.

Rugged

The RMP 440 SE can operate indoors and out in a wide range of weather conditions and over a variety of terrains. It is designed to meet IP66/NEMA 4 standards and all its

military grade bulkhead connectors are rated for Severe Wind and Moisture Problem (SWAMP) areas. It can wade through water up to 250mm (standard configuration) or 400mm (inverted gearboxes), operate in temperatures of 0-50° C and traverse slopes up to 30°.

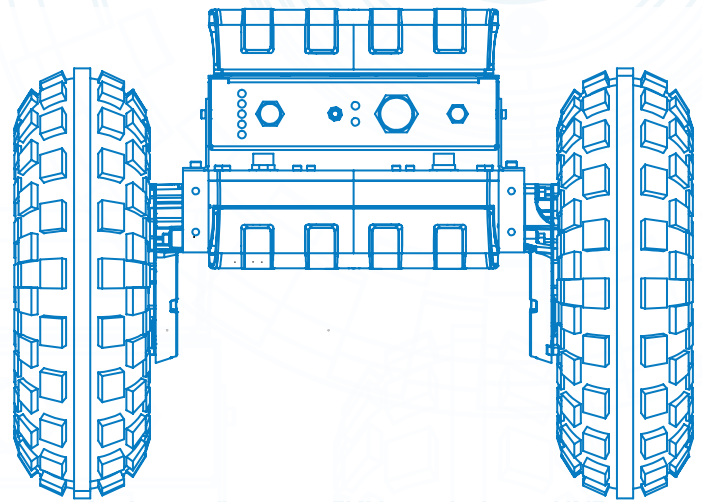
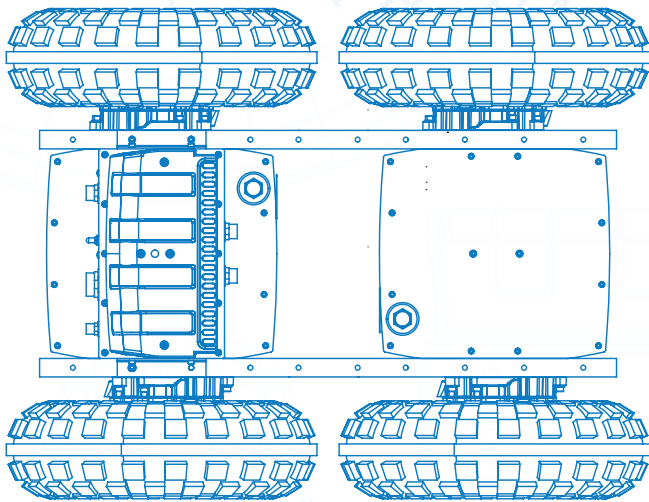
Powerful

With a maximum velocity of 8.0 m/s (18 mph) and a peak torque of 100 N-m per wheel, the RMP 440 SE is capable of moving incredibly fast. This means there's plenty of head room to perform flawlessly with payloads up to 90 kg (200 lbs). In situations where turn-in-place capability is not required, it can carry payloads up to 180 kg (400 lbs).

One Interface, Many Mobility Platforms

Segway's entire line of RMPs share a single communications structure. This makes it easy to change mobility platforms, even at a late stage in development. If your requirements change you don't have to worry about rewriting your control software; simply swap one RMP for another and keep going.

- Rugged, all-terrain, four-wheel drive mobility platform
- Easily negotiates loose, rough or steep terrain
- High payload, speed and range
- Tunable performance parameters limit maximum capability during development
- Ideal for off-road, long range transportation of sensors, manipulators or equipment



RMP 440 SE SPECS

OVERALL DIMENSIONS	1105 x 842 x 607 mm
PLATFORM WEIGHT	106 kg (235 lbs)
CLEARANCE	272 mm (10.7 in)
MAX PAYLOAD	180 kg (400 lb)
COMMUNICATION	Ethernet, CAN, USB

BATTERY CHEMISTRY	LiFePO ₄
RUN TIME	up to 24 h
CHARGE TIME	2-3 h
PROPULSION BATTERY CAPACITY	1520 Wh
AUXILIARY BATTERY CAPACITY	380 Wh

MAX SPEED	8 m/s
MAX SLOPE	30°
PEAK TORQUE (per wheel)	100 N-m
MAX RANGE	50 km (30 mi)
INGRESS PROTECTION	IP66