

Segway® RMP 400 Specifications



RMP 400

TOP SPEED	18 mph (29 km/h) 26.4 ft/s (8.1 m/s)
RANGE	12-15 mi (19-24 km)
TRACK WIDTH	24.5 in (62 cm)
TIRE DIAMETER	21 in (53 cm)
FOOTPRINT	30 x 44 in (76 x 112 cm)
TURNING RADIUS	zero degrees (load dependent)
TURNING ENVELOPE	50 in (127 cm)
TOTAL WEIGHT	240 lbs (109 kg)
DRIVE BATTERIES	Four Li-Ion Packs
MAX. RUN TIME	~8 hrs
MAX. PAYLOAD	400 lbs (181 kg)
RECHARGE TIME*	~8 hrs (from empty)
CONTROL MODE	4WD Tractor Mode
DATA UPDATE RATE	100 Hz
OPERATING TEMP. RANGE	14°F to 122°F (-10°C to 50°C)

The Segway RMP 400 is our most powerful robotics platform. Powered by four lithium-ion battery packs and rolling on four ATV tires, the Segway RMP 400 is a workhorse capable of moving quickly over challenging terrain for long distances.

PAYLOAD POWER OPTION

The Segway RMP 400 Payload Power option provides a simple solution for powering devices such as sensors, embedded PCs, a laptop PC, or even some manipulators. Power is converted from a standard Segway RMP battery pack allowing for independent 12 VDC and 72 VDC channels for payload power. This integrated system is enclosed within an environmentally sealed enclosure that bridges the two power bases and provides easy access to all user interface control buttons. Further enhancements include the ability to charge the payload battery and power base batteries via onboard chargers through a single charge port.

- Output is switched allowing for independent control of payload and RMP platform
- Low voltage sensor produces an audible alarm to warn of low voltage
- The standard output connection delivers 12 VDC to an environmentally sealed connector through the enclosure cover

Visit <http://rmp.segway.com/rmp-400> to learn more and see how RMP 400s are being used for robotics research and development.

To request a quote go to <http://rmp.segway.com> or email rmp@segway.com

* Built-in charger accepts 100-240 VAC, 50-60 Hz.