

Segway® RMP 200/ATV Specifications



RMP 200/ATV

TOP SPEED	10 mph (16 km/h) 14.7 ft/s (4.4 m/s)
RANGE	12-15 mi (19-24 km)
TRACK WIDTH	21 in (53 cm)
TIRE DIAMETER	19 in (48 cm)
FOOTPRINT	25 x 24 in (64 x 61 cm) ATV: 30 x 24 in (76 x 61 cm)
TURNING RADIUS	zero degrees
TURNING ENVELOPE	30 in (76 cm)
TOTAL WEIGHT	140 lbs (64 kg) ATV: 157 lbs (71 kg)
DRIVE BATTERIES	Two Li-Ion Packs
MAX. RUN TIME	~8 hrs
MAX. PAYLOAD**	200 lbs (91 kg)
RECHARGE TIME*	~8 hrs (from empty)
CONTROL MODE	2WD Balance Mode or Tractor Mode
DATA UPDATE RATE	100 Hz
OPERATING TEMP. RANGE	14°F to 122°F (-10°C to 50°C)

The Segway RMP 200 is a powerful, highly maneuverable, two-wheeled platform featuring an advanced stabilization mode that provides dynamic balancing. The RMP 200's high center of gravity and unique mobility characteristics make it popular with researchers and engineers. Some examples of topics explored using RMP 200s include obstacle avoidance, path planning, human-robot interaction, leader-follower pairs, and even robot soccer.

PAYLOAD POWER OPTION

The Segway RMP 200 and RMP 200 ATV 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 two independent 5, 12, 24, and/or 72 VDC channels for payload power. This system can be recharged using an external, offboard charger.

- Payload Power is independent and does not affect run time of the RMP platform
- Output is switched allowing for independent control of payload versus the RMP
- Low voltage sensor produces an audible alarm to warn of low voltage
- Output connection type is a bus bar

Visit <http://rmp.segway.com/rmp-200> to learn more and see how RMP 200s 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.

** Structural and tractor mode rating is 200lbs. Balancing functionality can accommodate up to 100lbs mounted at the height of the payload plate (75 cm above the ground). See User Guide for more information.