

Segway® Robotic Mobility Platform (RMP) Specifications



RMP 50



RMP 100



RMP 200



RMP 200 ATV



RMP 400



Speed

RMP 50:	0-4 mph / 0-6 km/h
RMP 50 Omni*:	0-2 mph / 0-3 km/h
RMP 100:	0-6 mph / 0-10 km/h
RMP 200:	0-10 mph / 0-16 km/h
RMP 200 ATV:	0-10 mph / 0-16 km/h
RMP 400:	0-18 mph / 0-29 km/h
RMP 400 Omni*:	0-7 mph / 0-12 km/h

Range**

RMP 50:	5-6 miles / 8-10 km
RMP 50 Omni*:	2-3 miles / 4-5 km
RMP 100:	6-12 miles / 10-19 km
RMP 200:	10-15 miles / 16-24 km
RMP 200 ATV:	10-15 miles / 16-24 km
RMP 400:	10-15 miles / 16-24 km
RMP 400 Omni*:	4-6 miles / 6-10 km

Payload

RMP 50:	75 lbs / 34 kg
RMP 50 Omni*:	150 lbs / 68 kg
RMP 100:	150 lbs / 68 kg
RMP 200:	200 lbs / 91 kg
RMP 200 ATV:	200 lbs / 91 kg
RMP 400:	400 lbs / 181 kg
RMP 400 Omni*:	400+ lbs / 181+ kg

Stabilization

RMP 50:	Static; 4 wheels
RMP 50 Omni*:	Static; 4 wheels
RMP 100:	Dynamic; 2 wheels
RMP 200:	Dynamic; 2 wheels
RMP 200 ATV:	Dynamic; 2 wheels
RMP 400:	Static; 4 wheels
RMP 400 Omni*:	Static; 4 wheels

To request more information or to place an order, email rmp@segway.com

Power

Built-in charger accepts 100-240 VAC, 50-60 Hz
Battery Recharge time: 8-10 hrs***

RMP 50:	One nickel metal hydride battery pack 48 Cells, 57.6 VDC, 3.0 Ah
RMP 50 Omni*:	Two nickel metal hydride battery pack 48 Cells, 57.6 VDC, 3.0 Ah
RMP 100:	Two nickel metal hydride battery packs 48 Cells, 57.6 VDC, 3.0 Ah per pack
RMP 200:	Two Saphion® lithium-ion battery packs 92 Cells, 73.6 VDC, 5.3 Ah per pack
RMP 200 ATV:	Two Saphion® lithium-ion battery packs 92 Cells, 73.6 VDC, 5.3 Ah per pack
RMP 400:	Four Saphion® lithium-ion battery packs 92 Cells, 73.6 VDC, 5.3 Ah per pack
RMP 400 Omni*:	Four Saphion® lithium-ion battery packs 92 Cells, 73.6 VDC, 5.3 Ah per pack

Terrain

RMP 50:	Smooth, flat surfaces
RMP 50 Omni*:	Smooth, flat surfaces
RMP 100:	Varied; for indoor and outdoor use
RMP 200:	Varied; for indoor and outdoor use
RMP 200 ATV:	Rugged
RMP 400:	Rugged
RMP 400 Omni*:	Smooth, flat surfaces

Operating Temperature****

RMP 50:	32° to 122° F / 0° to 50° C
RMP 50 Omni*:	32° to 122° F / 0° to 50° C
RMP 100:	32° to 122° F / 0° to 50° C
RMP 200:	14° to 122° F / -10° to 50° C
RMP 200 ATV:	14° to 122° F / -10° to 50° C
RMP 400:	14° to 122° F / -10° to 50° C
RMP 400 Omni*:	14° to 122° F / -10° to 50° C

Size & Weight

RMP 50:
Footprint: 22 x 28 in / 56 x 71 cm
Height: 17 in / 43 cm
Ground clearance: 2.75 in / 7.0 cm
Weight: 70 lbs / 32 kg

RMP 50 Omni*:
Footprint: 30 x 26 in / 76 x 66 cm
Height: 9 in / 23 cm
Ground clearance: .5 in / 1.3 cm
Weight: 150 lbs / 68 kg

RMP 100:
Footprint: 24 x 24 in / 61 x 61 cm
Height: 27 in / 69 cm
Ground clearance: 2.75 in / 7 cm
Weight: 125 lbs / 57 kg

RMP 200:
Footprint: 25 x 24 in / 64 x 61 cm
Height: 29.5 in / 75 cm
Ground clearance: 3 in / 7.6 cm
Wheel diameter: 19 in / 48 cm
Weight: 140 lbs / 64 kg

RMP 200 ATV:
Footprint: 30 x 24 in / 76 x 61 cm
Height: 30.5 in / 77.5 cm
Ground clearance: 4.5 in / 11 cm
Weight: 157 lbs / 71 kg

RMP 400:
Footprint: 30 x 44 in / 76 x 112 cm
Height: 21 in / 53 cm
Ground clearance: 4.5 in / 11 cm
Weight: 240 lbs / 109 kg

RMP 400 Omni*:
Footprint: 36 x 38 in / 91 x 99 cm
Height: 11 in / 28 cm
Ground clearance: .5 in / 1.3 cm
Weight: 240 lbs / 109 kg

*Product image not shown for Omni models.

** Range per charge may vary depending on factors such as terrain, wind, temperature, and payload.

*** Recharge time based on fully discharged lithium battery packs. Charge time for partially charged batteries and nickel metal hydride batteries will be less.

**** For best performance, store and charge at room temperature.