



The p Series.

Performance

Speed	10 mph (open environment key) 8 mph (sidewalk key) 6 mph (beginner key)
Range	4-12 miles *** Your mileage will vary. You should expect 8 miles of range under normal conditions. Hills, heavier riders, and frequent starting and stopping will reduce range
Payload	210 pounds (rider + cargo)
Operational Temperature	50°F - 122°F *** Actual temperature capability will vary. To maximize performance in cold conditions, store and charge the Segway HT at room temperature (60°F - 80°F)

Propulsion and Energy Management

Batteries	Two 48-cell NiMH battery packs; 3.0 Ah capacity
Charging	Integrated on-board smart charging, universal input (90-260VAC 50/60Hz), power cord included
Motors	Two (one per wheel) redundant, 3" diameter, 1.5" stack brushless DC servo motors
Gearbox	24:1 reduction, two-stage sealed gear drive with low-noise helical gear profiles
Tires	Tubeless, non-marking, puncture resistant silica compound with low rolling resistance

Electronics, Controls, & Safety

Inertial Sensing	Five solid-state, angular-rate-sensing gyroscopes and two tilt sensors monitor balance 100 times per second to compensate for the difference between the rider's body movements, varying terrain, and the direction of gravity
Redundancy	Independent processors, motors, and batteries assure rider safety, even if any one component is shut down

User Interface

Security	64-bit encoded keys prevent unauthorized use
User-Controlled Features	Maximum speed, steering sensitivity, and handlebar height
Display	Multicolor backlit LCD which shows battery charge, operation mode, and condition
Other Sensory Feedback	Auditory and tactile alerts for all safety-critical messaging

Additional Features

"Power Assist Mode"	When not riding and not in balance mode, the user can drive the wheels using the steering grip to maneuver the Segway HT over obstacles
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