

NAVIGO Spec Sheet

NAVIGO Joystick Power System Wheel Kit	
Total System Weight (excluding Battery Charger)	44 lb (20 kg) 24" wheel with NI 46 lb (21 kg) 24" wheel with LI
NiMH ("Nickel")	39 lb (18 kg) 16" wheel with NI
Li-ion ("Lithium")	41 lb (19 kg) 16" wheel with LI
Maximum Load Capacity (including rider, luggage, and frame weight)	275 lb (125 kg) 24" wheel size 220 lb (100 kg) 16" wheel size
Steering System	Joystick Steering
Tire (Pneumatic)	16": 47-305 (16x1 6/8)
Size	24": 37-540 (24x1 3/8)
Pressure	50 psi for 16" wheel (345 kPa) 65 psi for 24" wheel (450 kPa)
Hand Rim Type (24" wheel size only)	Stainless Steel (no hand rim on 16" wheel)
Operational Control System	Microprocessor control (Smart Control System)
Software Control System	Smart Tune software by Yamaha Motor Co., Ltd.
Drive Motor (one AC servo motor in each wheel) 24V	120W x 2 (30minutes rated output)
Assisted Speed Range	1.7 – 6.0 km/h (Software Controlled)
Hill-Climbing Ability	6° (Approx. 10% slope)
Battery	Nickel: 6.6 lb (2.9kg)
Weight	Lithium: 8.8 lb (4kg)
Capacity	Nickel: 1-24 V, 6.7 Ah (5 hr rate) Lithium: 1-25 V, 11.8 Ah (5 hr rate)
Battery Charger	Nickel: ~ 2.5-3 hr; Lithium: ~4.5 hr 3.37 lb (1.53kg)
Time for normal charging Weight	Automatic microprocessor controlled.
Method (both Nickel & Lithium)	Combined charger can charge both NI & LI battery
Assisted Travel Range ("average conditions")	Nickel: 10 mi (16km) Lithium: 18.7 mi (30km)
Component weights	Controller 2lb (1 kg); Assistant controller 1lb (0.5 kg); Wheels (pair) 32 lb (14 kg)