

### Sub ~66lb / ~30kg Commuter Scooters

Scooter	Motor	Battery (V)	Battery (Wh)	Range	Avg Moving Speed	Miles/100Wh
VMAX VX2 Hub (LR)	Single	48V	874Wh	36.0mi/58.0km	15.6mph/25.1kmh	4.1
VMAX VX2 Extreme GT	Single	48V	792Wh	32.6mi/52.5km	14.9mph/24.0kmh	4.1
Hiboy Max Pro	Single	48V	696Wh	27.2mi/43.8km	13.9mph/22.4kmh	3.9
NIU KQI 300X	Single	48V	608Wh	26.3mi/42.4km	15.0mph/24.1kmh	4.3
Apollo Explore 2.0	Single	48V	648Wh	26.0mi/41.8km	15.1mph/24.3kmh	4.0
InMotion Climber	Dual	36V	533Wh	24.2mi/38.9km	14.9mph/24.0kmh	4.5
Ausom L1	Single	48V	748Wh	23.0mi/37.0km	14.8mph/23.8kmh	3.1
Segway ZT3 Pro	Single	48V	597Wh	23.0mi/37.0km	14.1mph/22.7kmh	3.9
VMAX VX4 LT	Single	48V	624WH	22.6mi/36.4km	14.6mph/23.5kmh	3.6
Ninebot Max G3	Single	48V	597Wh	22.5mi/36.2km	13.7mph/22.0kmh	3.8
Ninebot Max G2	Single	36V	551Wh	22.0mi/35.4km	13.6mph/21.9kmh	4.0
Apollo GO	Dual	36V	540Wh	19.2mi/30.9km	14.0mph/22.5kmh	3.5
NIU KQi 200F	Single	48V	365Wh	18.7mi/30.0km	13.3mph/21.4kmh	5.1
Segway E3 Pro	Single	36V	368Wh	15.9mi/25.6km	11.7mph/18.8kmh	4.3

Many factors impact range. I cannot control all variables, including acceleration strength across scooters, stop-and-go, temperature, wind, load, and traffic. Speed capped at ~20mph / 32kmh. All tests are done on the same general course and measured with Garmin GPS. Rider weight ~200lbs/91kgs.