

scooterson



Range

- Median Range: Up to 56 miles (90 Km) with a 154 lbs (70 Kg) rider on a flat road, in urban traffic conditions

Speed

- Max Speed: 40 MPH (64 KPH)
- North America: 15-20 MPH*
- Europe: 20-25 KPH*

Dimensions and Weight

- Height: 44.88 inch (1140 mm)
- Length: 65.75 inch (1670 mm)
- Width: 28.74 inch (730 mm)
- Weight: 128 lbs (58 Kg)
- Capacity : 305 lbs (138 Kg)

Features

- Mobile App
- Cloud Connected
- Sharing Option
- Find My Scooter
- Keyless
- NFC Key***
- Remotely Lock/Unlock
- Remote Diagnosis
- Over-The-Air Updates
- Swappable Battery
- Electronic Battery Bay Door Lock

Colors

- Orange
- Cyan
- Yellow
- Red
- White
- Neon Green
- Neon Pink
- Neon Yellow
- Neon Red
- Neon Orange
- Neon Purple
- Carbon Fiber
- Optional Bespoke Frozen Colors

Intelligent Features

- Smart-Mode Acceleration***
- Intelligent Lights
- Charging Reminders
- Smart Riding Suggestions***
- Automatic Day & Night Mode
- Proximity Auto-Off***

Motor

- Position: Rear Wheel
- Construction : Brushless Direct Drive Hub Motor (BLDC)
- Rated Voltage: 60 V
- Peak Power: 2600 W
- Rated Power: 2000 W
- Power at Max. Efficiency: 1900 W
- Max. Torque: 140 Nm
- Energy Efficiency \geq 86.1%

Battery

- Swappable
- Rated Voltage: 54.45 V
- Nominal Capacity: 29.4 Ah (1600 Wh)
- Cell Type: INR21700-50E
- BMS Type: Smart BMS
- Charging Time: 3 h with standard charger / 30 min with supercharger at 80%
- Max Discharge Current: 40 A for 11 mins / 60 A for 20 sec
- Continuous Discharge Current: 35A
- Fire Hazard Safety Circuits: Redundant over-voltage, under-voltage, overcurrent, over-discharge, short circuit in discharge, over-temperature, under-temperature
- Charging Cycle: 440 charges (Approx. 3 years in a normal use-case)

Sensors

- Temperature Sensor: In motor, battery and controller
- Dual Hall Sensors in Motor
- GPS
- Inertial Measurement Unit (IMU)
- Triaxial Accelerometer
- Triaxial Gyroscope

Tires

- Size: 200/30-11
- Technology: 2-ply custom Scooterson tires by Kenda

Frame and Body

- Fairings: 2-layer thermoplastic composite with UV protection
- Frame Tubes: 3D formed, aircraft-grade aluminum alloys
- Metallic Parts: CNC machined and low-pressure precision casting
- Hydraulic Disk Brakes: 2-pistons/4-pistons****

Communication

- Cellular: LTE with eSIM for NORAM or EMEA regions
- Bluetooth® 5 2.4Ghz
- Wi-Fi Geolocation
- NFC Reader

Patents

- Granted US 29634381, 29751652
- Pending US: 29884553
- EU: 005908720-0001

Certifications & Ratings

- Battery Certifications: ROHS / CE / UN 38.3 / EN15194 / REACH / UL2271**
- Scooter Certifications: EN 15194** / UL2272**
- Battery IP Rating: IP64
- Motor IP Rating : IP65
- Operating Temperature: -4 °F / +113 °F (-20 °C / +45 °C)
- Totally protected against dust ingress and low-pressure water jets from any direction

In The Box

- Scooter
- Charger
- User Manual

*Legal Speed

** Pending

*** Coming Soon

**** Optional

