

SMARTSCOOTER™ SPEC SHEET

A ride like no other

Specification

Drivetrain	
Throttle Control	Ride-by-wire Electric Throttle with Saferide™ Redundancy
Reverse Control	Ride-by-wire Reverse Throttle
Drive Mode	Normal Mode / Super Boost Mode
Battery Connector	Orientation-Agnostic Connector
Motor	G1 Motor - Liquid Cooled Permanent Magnet Synchronous Motor
Motor Controller	Liquid Cooled MOSFET Controller
Cooling System	Liquid Cooled System with Monocoque Chassis Integrated Air Channel
Transmission Belt	Gates Poly Chain® GT® Carbon™ Belt with Stretch-free Tensile Cords
Gear Box	Integrated Single Speed Planetary Gears
Max. Power Output	6,400 W @ 3,250 rpm
Max. Horsepower	8.58 hp @ 3,250 rpm
Max. Torque	25 Nm @ 0-2,250 rpm
Performance	
Acceleration (0-50 km/h)*	4.2 sec
Max. Speed	95 km/h
Max. Left Lean Angle	45°
Max. Right Lean Angle	48.5°
Hill Climb Ability*	30% (17°): 30 km/h 20% (11°): 40 km/h 10% (6°): 60 km/h
Max. Riding Range Per Battery Swap (@ 40 km/h)*	About 100 km
Electronic System	
Smart Sensors	Multiple Gravity and Shock Sensors
	Ambient Light Sensor
	Multiple Thermo Sensors
Wireless Communication Technology	iQ System™ Quick Link Connectivity through Bluetooth LE 4.0 (to Smartphone and iQ System™ Smart Key)
	iQ System™ Smart Key and Gogoro® Battery Connectivity to GoStation™ through NFC
Dimension	
Length x Width x Height	1,730 mm x 690 mm x 1,215 mm
Wheel Base	1,230mm
Gross Weight with 2 batteries	112 kg
Gross Weight	94 kg
Trunk Size	24.5 L

Function & Feature

Frame	
Chassis	Aeroframe™ Aluminum Monocoque Chassis
Front Suspension	Ø 43 mm Aluminum Inverted Single Shock Single Arm
Rear Suspension	Aluminum Multi-Link
Rear Absorber	Adjustable Preload
Brake System (Front)	Hydraulic Disc Brake
Brake System (Rear)	Hydraulic Disc Brake
Brake Caliper Type (Front)	Dual Piston (Ø 38 mm)
Brake Caliper Type (Rear)	Single Piston (Ø 30 mm)
Brake Disc	Front: Ø 205 mm Drilled Slot Hybrid Disc Rear: Ø 162 mm Drilled Slot Hybrid Disc
Brake Fluid Reservoir	Center Mounted 2-in-1
Wheel Rim	Aluminum Rim Set
Wheel Rim Locking System	Center Lock Nut
Wheel (Front)	100/60-R12 (45L)
Wheel (Rear)	110/60-R12 (49L)
Factory Tire	Hybrid Dual Compound Performance Tire for Maximum Handling and Efficiency
User Interface	
iQ System™ Smart Key Communication	NFC + BTLE 4.0 with 256 bit Encryption Security
Buttons on SmartScooter™	All Electronic Micro Switches
Trunk Release	Wireless and Switch Controlled
Smartphone App	iOS and Android
Safety	
Headlight	SmartBrite™ Programmable Vehicle LED Headlight
Halo Position Light	LED
Front Turn Signal	LED
Horizon Taillight	LED, Integrated Rear Position Light, Turn Signal and Brake Light
Hazard Light	Rear and Front Flashers
Waterproof	IPX6, Above 30 mm
	IPX7, Below 30 mm
Mirrors	Chromium Coated Anti-Glare Anti-Vertigo Adjustable Mirrors
Warning & Alert	Error Codes (Self-Report via Battery and app)

Appearance	
Rear View Mirror	Chromium Coated Anti-glare Adjustable Mirrors
Dashboard	Personalized Spectrum Edgeless Dashboard
Kickstand	Forged Aluminum Integrated Kickstand
Faceplate	Changeable Faceplate
Central Hook	Auto Soft-Close Integrated Hook
Trunk	Extra Large Luggage Compartment for Full Size Helmet Storage with Trunk Light and USB Charge Port
iQ System™ Smart Function	
Smart Features	Dynamic Performance Profiling Dynamic Regenerative Braking Headlight Auto On/Off/Dim Turn Signal Auto Reset
Dashboard Luminance	Auto Adaptive
Auto Off	Activate via Kickstand Position Sensor
Lock / Unclock	iQ System™ Smart Key with Auto Lock
Low Energy Mode	Speed Limited
Personalization	
Spectrum Dashboard	129,600 Personalizable Colors with Gradient Mix
Personalizable Themes	Sound and Light
Acoustic Vehicle Alerts	Adjustable
Breathing Light Pattern	Personalizable
Adjustable Features	Speed Limit Alert Regenerative Braking Headlight Off Delay
Design Innovations	
Pit-Up™ Chassis for Easy Service	•
Glue Bonded Aluminum Monocoque Chassis	•
Screwless Exterior	•
Seamless Streamlined Body Design	•
Single Sided Suspensions	•
Acoustic Resonance Chassis	•
Keyless Start	•
Edgeless Spectrum Dashboard	•