



# Technical specifications **Fluid**

<b>Motor</b>	
<b>E-Bike Class</b>	Pedelec / S-Pedelec
<b>Motor</b>	Mid-Drive Bofeili (FUELL exclusive)
<b>Motor Nominal Output</b>	500W (US), 250W/500W (EU)
<b>Torque</b>	100Nm
<b>Speed and Range</b>	
<b>Speed max</b>	PEDELEC: 20mph US / 25km/h EU S-PEDELEC: 28 mph US / 45 km/h EU
<b>Range (Urban)</b>	Up to 125 miles / 200 kms
<b>Battery</b>	
<b>Battery Type</b>	2 Removable Batteries with LED level indicator
<b>Battery Capacity</b>	1008 Wh
<b>Battery Voltage</b>	48V
<b>Battery Charger</b>	4 Amp Fast Charger
<b>Recharge Time Home</b>	80% charge in 2.5 hrs, 100% in 5 hrs
<b>Frame and Components</b>	
<b>Frame Material</b>	Aluminum Alloy
<b>Front Suspension</b>	Suntour XCR34, 120 mm travel
<b>Derailleur</b>	Shimano Alfine 8-speed Geared Hub SG-S7001-8 Rapidfire Plus Shift Lever SL-S7000-8 Alfine
<b>Front Brake</b>	Tektro HD-E 350, 180mm disk
<b>Rear Brake</b>	Tektro HD-E 350, 180mm disk
<b>Belt</b>	Gates Carbon Beltdrive
<b>Tires</b>	Schwalbe Super Moto-X 27,5" x 2.25
<b>Lights</b>	Roxim Z4E Pro, 900 lumens ultra bright and ultra wide
<b>Screen</b>	3.2inch IPS color screen with battery capacity, speed, distance, 5 assist levels, walking mode and USB charging port
<b>Weight</b>	31 kgs / 69 lbs
<b>Anti-theft</b>	
	PIN Code to start Fluid's dashboard
	Removable batteries
	Foldable lock
	GPS/LoRa tracker embedded in the frame



# Technical specifications 1/2 **Flow**

<b>Engine</b>	
<b>Powertrain</b>	Advanced technology, proprietary electric wheel motor (patent pending)
<b>Power</b>	35 kW (48hp) continuous
<b>Torque</b>	750 Nm (553lb-ft)
<b>Performance</b>	
<b>Speed max (sustained)</b>	55 mph (up to 85mph on demand)
<b>Range (Urban)</b>	150 miles (240 kms)
<b>0-30 kph</b>	0.8 sec
<b>0-60 kph</b>	1.6 sec
<b>0-100 kph</b>	2.7 sec
<b>Power System</b>	
<b>Battery Capacity</b>	10 kWh
<b>Battery Type</b>	Li-ION cylindrical cell array in structural magnesium housing
<b>Battery Voltage</b>	400V
<b>Recuperation</b>	Rear wheel regenerative braking activated automatically by application of the linked braking system (patent pending)
<b>Recharging</b>	Quick charge or home w/ Onboard or accessory Fast Chargers
<b>Charge Port</b>	CCS Type 2 (adapters for Type 1 available)
<b>Charging Rate</b>	750W on board, 3.3kW & 6.6kW available accessory fast chargers
<b>Recharge Time Supercharger/CCS</b>	~30 min (CCS Type 2, DC)
<b>Recharge Time Home</b>	100% Charge: ~10 hours (Onboard), ~2.5 hours (3.3 kW Optional), ~1.25 hours (6.6 kW Optional)
<b>Typical Cost to Recharge</b>	\$1
<b>Chassis, Components</b>	
<b>Chassis Material</b>	Magnesium Monocoque (patent pending)
<b>Storage Capacity</b>	50 liters (patent pending)
<b>Front Suspension</b>	Inverted Ø 40 mm telescopic forks
<b>Rear Suspension</b>	Single sided swingarm. Rear shock with adjustable preload
<b>Front Brake</b>	Hydraulic disc ABS
<b>Rear Brake</b>	Integrated regenerative ABS
<b>Front Wheel</b>	2.50 x 17"



## Technical specifications 2/2 **Flow**

<b>Front Tire</b>	110/70-17
<b>Rear Wheel</b>	4.00 x 17"
<b>Rear Tire</b>	140/70-17
<b>Dimensions</b>	
<b>Weight</b>	400 lbs (180 kg)
<b>Wheelbase</b>	1370mm (53.9")
<b>Seat Height (unladen)</b>	30.1"
<b>Warranty</b>	
<b>Power Pack</b>	5 Years/Unlimited Miles
<b>Motorcycle</b>	2 Years/Unlimited Miles
<b>Additional Features</b>	
	Vehicle Status Application on iPhone/Android
	eTraction Control
	2 Ride Modes (Urban, Audacious)
	Illuminated Storage Compartment
	Linked Intelligent ABS
	Hands Free Lock/Unlock and Engage
	Connected, Interactive Dashboard
	Walk and Reverse Assist
	Blind Side Detection
	Front Collision Warning
	Rear Collision Warning