



*Fluid shown with optional central stand and suspended seat post*



**FUELL**

**PREMIUM E-BIKE GUIDE 2022**

# WELCOME TO FUELL!

FUELL's mission is to offer **viable car replacements and alternatives, while reinventing the pleasure of riding.**

FUELL was founded with a plan to develop a unique range of vehicles for the new urban adventurers, thanks to the freedom of design, engineering and distribution that is unique to electric.

FUELL's first vehicle to market: the **Flluid-1, a premium electric bicycle** including features that place it among the very best e-bikes on the market: best in class components, a range of up to 125 miles and torque sensing pedal assist up to 20/28mph.

## OFFER RIDERS A WHOLE NEW EXPERIENCE

Cities are beautiful, amazing, and unique.

So much to do, so many places to visit, so many people to meet, so much life to live, and yet, so hard to get around without noise, pollution and congestion.

More than a beautiful object, the Flluid e-bike offers an experience to its user - an experience of freedom, discovery, silence, comfort and safety. **FUELL puts innovation at the heart of its endeavor** by offering users the vehicles of tomorrow, sustainable and well designed, to move around in a different way.

*"Cities are getting bigger, and more packed. Yet people want **freedom to move**. We don't want to be trapped and limited. We want to go where we want, when we want to. When I look to the future, there is one compelling solution for urban/suburban transportation. Well, two actually, two wheels... two wheels in a single track with **green power**. In Europe where streets are smaller, the support and infrastructure for two wheelers is exploding. In the US it is starting as well. In Asia, two-wheelers have always been the solution, and now the growth is in making them greener, less polluting, less noisy."* comments Erik Buell, CTO and co-founder of FUELL, and well known by motorcycle aficionados.

# FLLUID-1 or 1S or 1E?

## Which model of Flluid-1 should I get?

### Which one is for me?

First, the Flluid is a pedal-assist electric bike.

With a pedal-assist electric bike, you must first pedal to benefit from the assistance. This assistance continues up to its maximum assistance level and then tapers off. In the US, we have 50 states and numerous cities and towns with different rules, so FUELL offers the Flluid in different versions to meet those regulations and let you go as fast and far as you want.

### The Flluid comes in 3 versions:

**Flluid-1** with assistance up to 20 mph. The Flluid-1 is known as a “Pedelec” or Class 1 e-bike.

**Flluid-1S** with assistance up to 28 mph, with a Shimano Nexus 5 internal geared hub. The Flluid-1S is known as an “S-Pedelec” a “Speedbike” or a Class 3 e-bike.

**Flluid-1E** - same as 1S but with an Enviolo CVT transmission in the rear hub.

The Flluid-1 may have a maximum assistance to 20 mph, yet it was designed and engineered like the 1S, so it has retained all the upgraded features and parts of the 1S.

The Flluid-1, 1S and 1E are designed for commuting and for recreational rides with great assistance and stability.

### Where can I ride?

Check first. Class 3 are generally treated as bicycles, but not always - whereas Class 1 are considered bicycles almost everywhere. Class 3 may not be allowed on bike paths in some states, state and national parks and cities, so check your local rules.



# vs FANTIC, STROMER, SERIAL1



	<b>Fluid-1S / 1E</b>	<b>Fantic Seven Days</b>	<b>Stromer ST2</b>	<b>Stromer ST5</b>	<b>Serial 1 RUSH/CTY SPEED</b>
Price	\$5,495 / \$5,995	\$4,777	\$5,699	\$9,999	\$5,599
Motor	Bofeili-FUELL 100Nm	Brose 75Nm	AR Stromer 40Nm	AR Syno Sport 48Nm	Brose 90Nm
Battery	2 x 504Wh = 1008Wh	630Wh	618Wh	850Wh	706Wh
Battery location	Integrated	semi-integrated	Integrated	Integrated	Integrated
Transmission	Carbon Belt Shimano 5 speed hub (1S) or Enviolo CVT (1E)	Derailleur SRAM 10 speeds	Belt 5 Speeds in hub	Derailleur Shimano 11 Speeds	Belt Enviolo CVT
Tires	27.5 Pirelli	27.5 Schwalbe	27.5 Vee Tire	27.5 Pirelli	27.5 Schwalbe
Brakes	Tektro HD-E395 2 pistons hydraulic	SRAM 2 piston Hydraulic	Tektro 2 pistons hydraulic	TRP 4/2 pistons hydraulic	Hydraulic 4 pistons
Front fork	Suntour XCR 34 air 120mm	RockShox 100mm	Rigid	Rigid	Rigid
Warranty	10 yrs frame 2 yrs parts	1 year frame 2 years battery motor	10 yrs frame 2 yrs parts	10 yrs frame 2 yrs parts	5 yrs frame 2 yrs parts
Weight (lbs)	77	50	60	65	59

# vs SPECIALIZED, RIESE & MULLER



	<b>Flluid-1S / 1E</b>	<b>Specialized Turbo Como SL 5.0</b>	<b>Specialized Turbo Vado SL 5.0</b>	<b>Riese&amp;Müller Supercharger2 GT Vario HS</b>	<b>Riese&amp;Müller Super-Delite GT Vario HS</b>
Price	\$5,495 / \$5,995	\$4,800	\$5,000	\$9,059	\$10,459
Motor	Bofeili-FUELL 100Nm	Specialized 1.1 40Nm	Specialized 1.1 40Nm	Bosch Perf. Line Speed 85Nm	Bosch Perf.Line Speed 85Nm
Battery	2 x 504Wh = 1008Wh	320Wh	320Wh	500Wh + 500Wh	500Wh + 625Wh
Battery location	Integrated	Integrated	Integrated	Integrated	Integrated
Transmission	Carbon Belt Shimano 5 speed hub (1S) or Enviolo CVT (1E)	Belt 8 Speed Hub	Derailleur SRAM 12 Speeds	Carbon Belt CVT	Carbon Belt CVT
Tires	27.5 Pirelli	650Bx2.3 Nimbus 2 Sp	650Bx2.3 Nimbus 2 Sp	27.5 Schwalbe	27.5 Schwalbe
Brakes	Tektro HD-E395 2 pistons hydraulic	TRP Flow Set Control	Tektro HD-R510 Hydraulic	Magura MT4 MT5 Hydraulic disks	Magura MT4 MT5 Hydraulic disks
Front fork	Suntour XCR 34 air 120mm	Rigid	Rigid	Marzocchi Bomber 100mm	100mm
Warranty	10 yrs frame 2 yrs parts	Lifetime frame	Lifetime frame	5 yrs frame 2 yrs parts	5 yrs frame 2 yrs parts
Weight (lbs)	77	55	45	67	72

# vs TREK, GAZELLE, GIANT



	<b>Fluid-1S / 1E</b>	<b>Trek Allant+ 8S</b>	<b>Trek Allant+ 9.9S</b>	<b>Gazelle Ultimate C380+ HMB</b>	<b>Giant FastRoad E+ Ex Pro</b>
Price	\$5,495 / \$5,995	\$4,449	\$6,299	\$4,749	\$4,300
Motor	Bofeili-FUELL 100Nm	Bosch Perf.Line Speed 75Nm	Bosch Perf.Line Speed 75Nm	Bosch Perf.Line Speed 85Nm	Giant SyncDrive Pro 80Nm
Battery	2 x 504Wh = 1008Wh	625Wh	625Wh	500Wh	500Wh
Battery location	Integrated	Integrated	Integrated	Integrated	Integrated
Transmission	Carbon Belt Shimano 5 speed hub (1S) or Enviolo CVT (1E)	Derailleur Shimano 10 Speeds	Derailleur Shimano 12 Speeds	Belt Enviolo 380 CVT	Derailleur Shimano 10 Speeds
Tires	27.5 Pirelli	27.5 Bontrager	27.5 Bontrager	28 Schwalbe	27.5 Bontrager
Brakes	Tektro HD-E395 2 pistons hydraulic	Magura MT5NE Hydraulic	Magura MT5E Hydraulic	Hydraulic brakes	Shimano BR-MT200 Hydraulic
Front fork	Suntour XCR 34 air 120mm	Rigid	Carbon fork 100mm	Internal to headset 40mm	Aluxx SL 100mm
Warranty	10 yrs frame 2 yrs parts	life frame 2 yrs parts	life frame 2 yrs parts	10 yrs frame 2 yrs parts	5 yrs frame 2 yrs parts
Weight (lbs)	77	51 (no battery)	42 (no battery)	55	50

# Notes





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