

▶ @tarranbikes

📷 @tarranbikes

📺 r/TarranBikes

👤 @tarranbikes & tarranofficialgroup

TARRAN



TARRAN L1

First Hyper-integrated
Longtail



www.tarranbikes.com
service@Tarranbikes.com

TÜVRheinland®
Precisely Right.

Compliant with EN1660, ROHS, REACH SVHC, certificated by TÜV Rheinland.

Designed for Many, Simplified in One.

L1s superior

E-Dropper Post

Adjust height with just a tap

TARRAN Vision Unit

Rear radar and camera for monitoring and alerts

SyncStand

Auto deploy for easier parking
Kickstand E-lock for extra security

L1m manual

5.2-inch Touchscreen with TarranOS

All-in-one display

Smart Anti-theft

Sentry mode, alert and GPS

100Nm

Mid Drive

750W

Max. Power

693Wh

Battery Capacity

215kg

Max. Gross Weight

1960mm

Bike Length

Unrivalled Performance, Fine-tuned E-system

Smart Mid-Drive Motor, Tuned for Cargo

- 100Nm Max. Torque
- 40Hz Speed Sensor
- 750W Max. Power
- Auto Mode
- Hill Assist
- Walk Assist



Long Range Battery with Certified Safety

- 693Wh (47.19V/14.7A) Battery Capacity
- Dual Battery Available*
- Samsung Li-ion Battery Cells
- Global Certified by UL2271, EN50604, UKCA
- 48V/8A GaN Fast Charger (Optional)

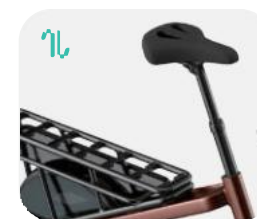
*Provide storage sock for second battery in rear triangle frame bag.

A Bike Syncs with Your Move.

The E-dropper and the industry's first auto-deploying kickstand delivers unprecedented stability for starts and stops. Integrated with E-system, Enviolo AUTOMATIQ Pro intelligently adjusts gear ratios to adapt to your pedal.



SyncStand AUTO



E-dropper Post



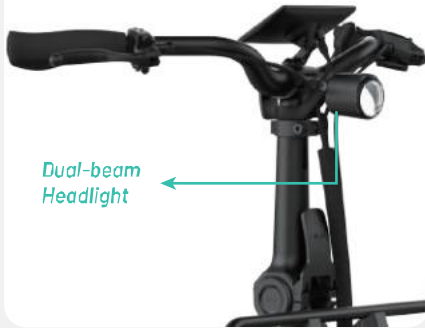
Enviolo
AUTOMATIQ Pro

*Standard components on L1s, SyncStand Auto & E-dropper Post are optional upgrades on L1m

Proactive Safety



Lighting



Dual-beam Headlight



Front Turn Signals



Smart Helmet Compatible

UNIT 1 LUMOS

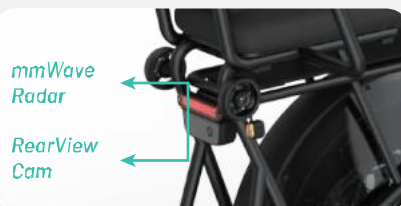


Auto Brake Light
Rear Turn Signals

Vision Unit



5.2 inch Retina Central Display



mmWave Radar

RearView Cam

Safety Cabin



Openable Guardrail

Monitor Camera for Kids

Intelligent Simplicity: A Bike of One Brain

Unified by TarranOS, L1 operates as a single, intelligent system, merging electronic parts and smart add-ons into one. Experience absolute ease controlling through 5.2-inch touch screen and handlebar controllers.

4G 5G BLE GPS NFC

Connect to
TARRAN APP



OBD System



OTA Update



65W & 27W Dual
USB-C Output



Intuitive Riding
Interface



Smart Add-ons Integration



Navigation Mirroring

A Longtail That Carries More, Carries All.

≈ 35 kg
Bike Weight (Without Accessories)

- 105kg
MAX. REAR RACK LOAD
- 125kg
MAX. RIDER WEIGHT
- 20kg
MAX. FRONT RACK LOAD
- 60kg
MAX. TRAILOR LOAD
- 215kg
MAX. GROSS WEIGHT



School Run



Family Outing



Personal Errands



Grocery Shopping



Adventure

Ride And Maintenance with Ease

Enviolo AUTOMATIQ Pro

enviolo

Gates CDX Belt Drive

Gates

Maxxis 20" Tire

MAXXIS

TRP & Tektro Hydraulic 4-Piston Disc Brake

TRP

Suntour MOBI34 Suspension Fork 80mm

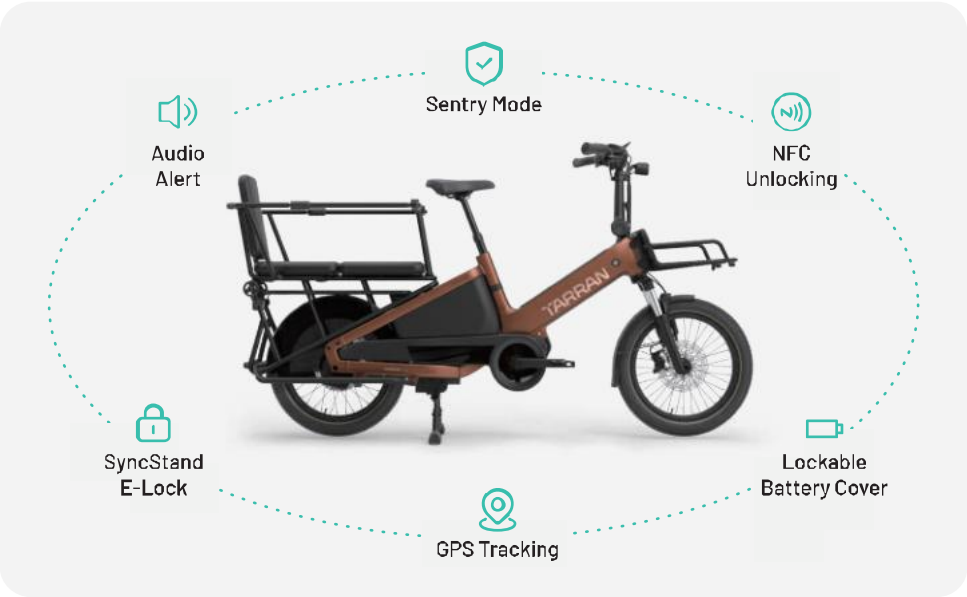
SR SUNTOUR

*Fully compatible with MIK HD systems and standard third-party panniers.

	TARRAN L1s	TARRAN L1m
Drivetrain	Enviolo AUTOMATIQ Pro, Belt Drive	MicroSHIFT ADVENT X, 10-speed Chain
DISC Brake	TRP Hydraulic 4-Piston Disc Brake	Tektro Hydraulic 4-Piston Disc Brake
Turn Signals	Rear Equipped & Front Optional	Rear & Front Optional
C-Kickstand	✓	Upgradable
C-Dropper Post	✓	Upgradable
Rear-view Camera & Radar	✓	Upgradable
Foot Rest	✓	Upgradable

Smart Anti-theft

Best bike anti-theft solution in the market. Highly integrated with bike system, L1 is protected by Sentry Mode with sensors, 4G, GPS, audio alarm and App Alerts.



Adapts for All

Dropper Post
Designed for stable stops and easier ridings. Fit 165-195cm.

RiderFit Adjustable Handlepost
Share the bike with ease. Always fit your height and riding style.

Vertical Storage
Park vertically for space saving. Rolling easily with wheels.

Electronics	L1s	L1m
Motor	Mid drive Motor, 100Nm torque, Rated continuous power 250W, Maximum power 750W	
Battery	683Wh(47.19V/14.7Ah) Capacity, removable	
Display	5.2 inch TFT TouchScreen with TarranOS	
Front Light	SATE-LITE C19, 150Lux, with high and low beam	
Rear Light	Sate-lite M18, increased brightness under deceleration, powered by main battery	
Turn Signals	Tarran Turn Signals	/
IoT	LTE Module*, 5 GHz Wi-Fi, Bluetooth 5.1, GPS	
Kickstand	Tarran SyncStand Auto Electric Kickstand	Tarran C-Lock Kickstand
Charger	48V/3A	
Electronic Shifter	Enviolo AUTOMATIO Pro, integrated with Tarran System	/
Advanced Riding Safety	mmWave Radar, Rear-view Camera	/
Components		
Front fork	Suntour SF22-MOBIIE34-CG0, 15*110, 20°, 80mm Travel	
Handlebar	Ergonomic Alloy Handlebar, width 640mm	
Handlepost	Tarran Handlepost, adjustable height and angle	
Grips	Velo Silicon Commuter Grips	
Brakes	TRP C2.3RX, Reach adjustable, 18P R20.3SD1E 20.6mm rotor, 2.3mm Thickness, 6-bolt	Tektro HD-T514Q 4P, 4 finger, 5mm Pad, 5mm hose, Black; TR180-54 .180MM, 2.3MM Thickness, 1 Piece 6-bolt
Tires	Maxxis Metroloads Pro, 20x2.4	
Front wheel	Tarran 20" Cargo-specific wheelset. Novatec Front Hub, 15x110mm, 36H/13G, 6 Bolts, Black	
Rear wheel	Tarran 20" Cargo-specific wheelset, ENVILO, HEAVY DUTY, 148 MODULAR AXLE, 36 SPOKE, DISC BRAKE - 40T SPLINE	Tarran 20" Cargo-specific wheelset, Novatec Rear Hub, 12x148mm, Shimano HG, 36H/13G, 6 Bolts, Black
Saddle	Velo Commuter Saddle	
Shifter	Automatic shifting, with adjustable cadence settings via the TARRAN display	Microshift ADVENT X, 10-speed
Derailleur	Enviolo HeavyDuty Internal Gear Hub, Stepless Shifting	Microshift ADVENT X, 10-speed
Seatpost	Electronic Dropper Post, integrated with Tarran System, 34.9mm, Travel 150mm	Lever actuated Dropper Post, 34.9mm, Travel 150mm
Chain ring	55T, for Gates drive belt	Narrow-wide Chainingring, Steel, 48T
Cassette	22T, for Gates drive belt	Microshift CS-EH103A 11-42T
Chain	Gates drive belt, CDX	KMC e10 Sport
Crank	Alloy Ebike Crank, 160mm	Alloy Ebike Crank, 160mm
Foot Rest	Foot Rest dedicated for L1	/
Performance		
Max. assist speed	EU: 25km/h ; NA: 20mph	
Bike weight (without accessories)	≈37.5kg	≈34kg
Max. max gross weight (bike, rider, load)	215kg	
Max. rider weight	125kg	
Max. rear load	105kg	
Rider Height Range*	155cm-195cm	