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TARRAN



TARRAN 

First Hyper-integrated
Longtail



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 TÜVRheinland®
Precisely Right.

Complied with EN17860, ROHS, REACH SVHC, certificated by TÜV Rheinland.

Designed for Many, Simplified in One.

E-Dropper Post

Adjust height with just a tap

TARRAN Vision Unit

Rear radar and camera for monitoring and alerts

L1s superior

L1m manual

5.2-inch Touchscreen with TarranOS

All-in-one display

SyncStand

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

Smart Anti-theft

Sentry mode, alert and GPS

100Nm

Mid Drive

750W

Max. Power

693Wh

Battery Capacity

215kg

Max. Gross Weight

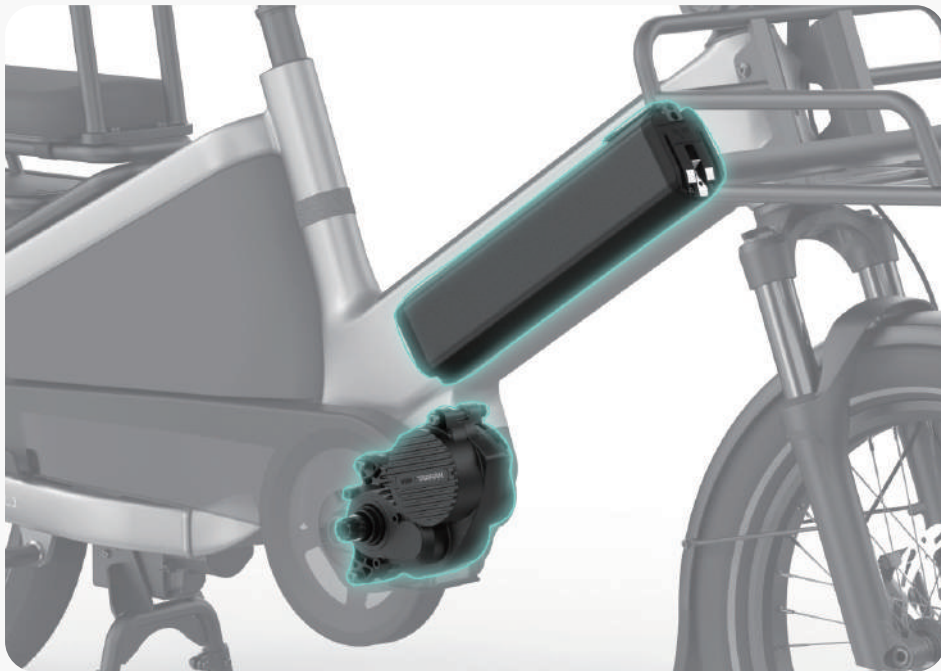
1960mm

Bike Length

Unrivaled 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 dock for second battery in rear triangle frame bag.

A Bike Syncs with Your Move.

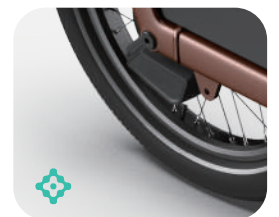
The E-dropper and the industry's first auto-deploying kickstand delivers unprecedented stability for starts and stops. Integrated with E-system, Enviolo AUTOMATIQ Pro intelligently adjusts gear ratios to adapt to your pedal.



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



Smart Helmet Compatible

UNIT 1 LUMOS



Front Turn Signals



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.



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



Maxxis
20" Tire



MAXXIS

TRP & Tektro
Hydraulic 4-Piston
Disc Brake



TRP



Suntour MOBI34
Suspension Fork 80mm

TARRAN L1s

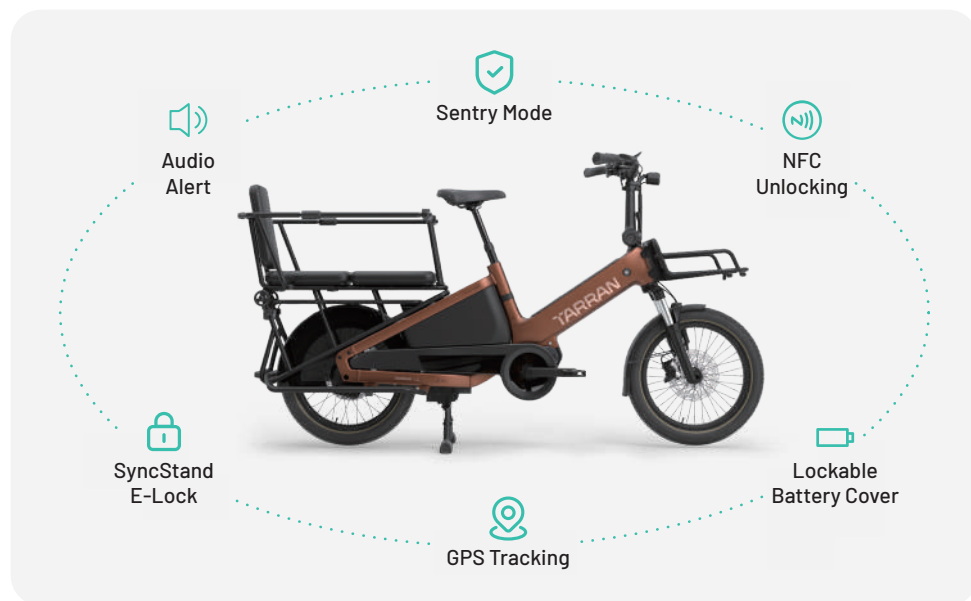
TARRAN L1m

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
E-Kickstand	✓	Upgradable
E-Dropper Post	✓	Upgradable
Rear-view Camera & Radar	✓	Upgradable
Foot Rest	✓	Upgradable

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

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 155-195cm.



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	693Wh(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 E-Lock Kickstand
Charger	48V/3A	
Electronic Shifter	Enviolo AUTOMATIQ Pro, integrated with Tarran System	/
Advanced Riding Safety	mmWave Radar, Rear-view Camera	/

Components

Front fork	Suntour SF22-MOBIE34-C60, 15*110, 20", 80mm travel	
Handlebar	Ergonomic Alloy Handlebar, width 640mm	
Handpost	Tarran Handpost, adjustable height and angle	
Grips	Velo Silicon Commuter Grips	
Brakes	TRP C2.3RX, Reach adjustable, TRP R203S01E 203mm rotor, 2.3mm Thickness, 6-bolt	Tektro HD-T5140 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
Dearailleur	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 Chaining, 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	
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	