



Be an active part of the turnaround in energy policy

"Leave the car in the garage more often"

The 100% electrically powered ELFIT e-hybrid trike is an essential and stimulating contribution to the turnaround in energy policy.

It is an iconic, innovative trailblazer for smoothing the transition to electromobility in short-distance travel and is highly practical for everyday life.

There exists a logistical gap between vehicles with two and four wheels. Whatever is not supported by two wheels has to be done with a car. The ELFIT e-hybrid trike can help to fill this gap.

A true innovation

ELFIT is driven without a conventional chain drive and yet it works like a cycle!

Pedalling motions are converted directly into additional drive or charging current (= range extension).

Two gear speeds allow for slow or fast pedalling or activation of the integrated generator, which is able to produce up to 40% of the driving current in addition.

"Pedalling" does not have to be powerful, but it should be continuous. It can be metered individually.

Each driver determines his or her energy supplied personally based on individual capability, mood and current conditions.

Technic + Equipment

Without common chain drive

100% electric

Low entry point

Front-wheel drive (limited to 250 Watt)

Hybrid system (DC generator connected to crank)

Maximum incline about 6-9%

Hand throttle (twist grip)

Disc brakes mechanically (3x)

Forward Lighting (36 V, fed from battery power)

Taillight (36 V, fed from battery power)

Pneumatic tires 20x2.10"

Handlebar foldable

Speedometer + odometer

Ignition lock (2x keys)

Battery lock (2x keys for each battery)

Foldable luggage support (max. 25 kg – no people)

Frame powder coated (aluminum construction)

Vehicle load capacity max. 120 kg (driver + luggage)

Rear-view mirror (2x)

Power outlet 12 V (for USB adapters to plug a smartphone or a navigation device)

Battery

Type: LiFePo4 36 V 10 Ah

Quantity: 2 pieces

Charging period: 4 - 5 hours / each Battery

Range: about 25 to 35 km / each Battery

Lifespan: about 1000 -1500 charging cycles

Battery charger: 2 pieces

for 100-240 V power supply system
charging current (CC) 2,5 A

Vehicle-type (in compliance with EU regulations)

100% bicycle (Pedelec)

Driving aid (speed without pedaling max. 6 km/h)

Speed with electrically support max. 25 km/h

No helmet required (but recommended)

No driving license required

No license plate required

Dimensions

Length: 2000 mm, Width: 780 mm, Height: 990 mm, Weight: 55 kg



Target groups and benefits

All companies, organisations, health facilities, municipalities, etc., who see in ELFIT a fascinating and sustainable image or advertising medium for the public.

Physical activity enthusiasts of all ages who feel more at ease and secure on three wheels than on two-wheel vehicles.

All car owners who would like to make their short-distance trips and errands in the future fully electrical and environmentally responsible.

All traffic participants without a driver's license.

All people with health and mobility limitations - the active, low-load pedalling motions of the legs will noticeably improve mental state, provide self-determined freedom of mobility and enhance quality of life.

ELFIT is also the optimum outdoor home trainer for active motion and motivating fitness training at any age.



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