



**Mubea**  
U·MOBILITY



**BUILT FOR WHATEVER YOU HAVE IN MIND.**

# BASE – The modular platform for bespoke transport solutions

BASE replaces rigid vehicle designs with a platform that adapts precisely to your requirements – cost-effective and scalable.

From specialised applications to bespoke bodywork, we create the vehicle you need.



**Time & Cost Efficient**



**Simple & Sustainable to Operate**



**Highest Reliability**



**Maximum Uptime Through Strong Service**



**Strong & Scalable Partner**



**Safety & Automotive Expertise**



Further features you can find directly on our website

## TECHNICAL DATA

# BASE

Vehicle category	Pedelec
Drivetrain	Chainless Powertrain
Continuous rated power	250 W*
Gearshift	two-speed transmission with boost gear
Max. gradeability under full load	18 %
Max. electrically assisted speed	25 km/h*
Electric reverse manoeuvring aid	yes, up to 4 km/h
Electric drive-off assistance (pushing aid)	yes, up to 4 km/h
Gross vehicle weight	650 kg
External dimensions, vehicle (L x W x H)	3,150 mm x 999 mm** x 2,000 mm***
Wheelbase	1,746 mm
Rear body	Baseplate
Dimension baseplate (L x W)	1,660 mm x 980 mm
Payload	Up to 250 kg
Turning circle	< 6,750 mm
Battery capacity	AES SuperPack 2.0 (48 V)
Battery slots	Replaceable battery system with up to 2 slots (lockable)
Charger	230 V / 4 A
Max. range (per battery)	25 km
Display	3.5" TFT display
Suspension	Double wishbone axles at front and solid axles at rear with spring suspension strut and stabiliser bars
Wheels and tyres	16" performance wheels with motorbike tyres (80/80-16") and integrated reflector package
Braking system & parking brake	Hydraulic disc brakes on 4 wheels & electromagnetic parking brake
Immobiliser incl. theft protection	RFID system with quick-lock function
Weather protection	Driver's cab including windscreen wiper
Coating, front screen	Coating lotus effect
Wing mirrors	2x
Bells	1x
Lights	2x headlights, 2x with integrated brake light and reversing light
Reflector package	yes
Indicators / Hazard lights	yes
Height- and tilt-adjustable saddle	yes
Licence required	no*
Testing & Certification (UKCA)	The Supply of Machinery (Safety) Regulations 2008 No. 1597; The Radio Equipment Regulations 2017 No. 1206; Restriction of Hazardous Substances (RoHS) 2012;

### Applied technical standards and specifications

EN 15194:2018-11 Cycles - Electrically power assisted cycles - EPAC; DIN EN ISO 4210-2\_2015-12 Cycles - Safety requirements for bicycles; DIN 33958:2014-12 Bicycles - Lighting equipment and dynamos; DIN EN ISO 12100:2011:03 Safety of machinery – General principles for design – Risk assessment and risk reduction; EN 17860-4:2025 Heavyweight carrier cycles - Mechanical and functional aspects;

\* According to national legislation; \*\* Not incl. mirrors; \*\*\* Height, if driver cabin is configured; Despite extensive checking of the technical data, we cannot exclude errors and accept no liability for the contents. Dimensions are approximate. The max. continuous rated power is limited to 250 W in the European Union. The continuous rated power refers to the highest system useful power that the motors deliver in a period of 30 minutes without the temperature rise exceeding a certain value. The maximum - short-term - peak power for pedelecs can deviate upwards. The use of cycle paths is approved in most countries of the EU. The current, national legislation applies. Status: 05/2026