



EVUM
MOTORS


One for all.




Made in Germany

The aCar

A versatile, compact, electric
utility vehicle with four-wheel drive



Superstructures*
Various loading platforms



Payload capacity
Up to 1,200 kg



Towing capacity*
Up to 1,000 kg (braked)



Drive*
All-wheel drive 20 kW


Top speed
70 km/h

Drive technology
All-electric 48 V

Range*
Up to 200 km (120 miles)




Mobile power source*
230 V socket



High voltage charging*
~ 2,5h | ~ 4,0h with range package (80 % SoC)



Bio-ethanol heating system*
With integrated ventilation and auxiliary heating



Spacious driver's cab with two seats
Optimum ergonomics

Zero emissions
No noise

Street-legal
N1



Intuitive interior, easy charging process – Keeping it simple is our number one priority.

The interior of the aCar is characterized by its focus on the essentials. The design prioritises the ease of use and eliminates the unnecessary. All materials have been chosen in regards to sturdiness and durability. The aCar may appear compact from the outside, but inside you will discover a spacious cabin with premium seats for two people, as well as plenty of storage space.



The charging process is as easy and convenient as you would expect it from a utility vehicle designed for the daily use. The aCar can be charged via any 230V standard power-socket. To speed up the charging-process a high voltage charging system is available. It can be powered with a conventional three-phase power outlet which guarantees an ever-increased availability of the car.

Always in control on off-road terrain.

All-wheel drive

It's the small things in life that make all the difference: With one e-motor per axle, the aCar generates high torque straight from the start is silent and cuts local emissions. The aCar's all-wheel drive system guarantees optimum traction, giving you full control when driving on unpaved roads in rough terrain. Ground clearance and ramp angles make the aCar a great choice for off-road usage. Optional off-road tires are available for even more off-road performance.



The aCar is ideal for forestry and agricultural use.

Robust, reliable and powerful - these are the features of the aCar that come in handy when loading and unloading heavy goods off track. The aCar emits neither noise nor emission. Combined with its versatility this concept is the ideal solution to achieve your daily tasks more sustainably.

The battery of your hedge trimmer is running low? The saw needs to be charged while you working in the forest? Don't worry. The aCar doubles as a mobile energy source. With the external power socket you can continuously power 230 V devices with up to 3 kW. This useful feature makes you flexible and independant.

Power up, even in remote places.

External power socket





Robust hero in city traffic.

Professionals at work in the city

The electric transporter from EVUM Motors helps you reduce operating cost significantly, reduces your fleet's CO2 footprint and is a bold statement that you care for the environment. The aCar is designed to meet your daily transport needs. The compact design (1,670 mm width and 1,980 mm height) combined with the electric motor enable the vehicle to move swiftly in the city. Environmental zones? Narrow streets? No problem for the aCar!

The basic dimensions of the loading bed are designed to fit two Euro pallets easily side-by-side. Using the trailer coupling additional transport options are available. Tools and small equipment can be stored in the toolbox under the hood. Lashing eyes on the loading surface ensure the safe transportation of your goods. Superstructures like the three way tipper (optionally combined with a removable grid) enable the optimal transport and convenient unloading of bulk goods.

Strong Partner

Up to 1,2t payload capacity
up to 1t towing capacity (braked)



Going far, economically

The aCar offers two driving modes: WORK and ECO. The WORK mode provides you with more power to cope with more extreme conditions, such as off-road driving or while towing a trailer. The ECO Mode helps to save up to 21 % of energy, resulting in a higher range.

ECO



The clean power pack for your final mile.

Deliver your shipment to your customer silently and without local emissions. Drivers benefit from a greater flexibility, as they may sneak through residential areas in the early morning hours. Also, they benefit from the aCars' compact size. It requires minimum space when parking or during shunting. The load can be charged either through the back-door or through the side-door of the optional box body.

With a range of up to 200 kilometres, shifting to electric mobility is easy. With its agility and its top speed of 70 km/h the aCar is a great choice for downtown logistics. The vehicle emits no local emissions contributing to a cleaner, healthier environment.

Compact, long- lasting, and quiet.

Locally emission-free

Sustainable through recycling!

The aCar's design focuses on durability and longevity, so you can get the most out of your vehicle. Moreover, the aCars' body is made of fully recyclable high-quality mouldings. EVUM Motors sources its components from renowned European quality suppliers. Short supply chains are another measure to reduce CO2 emissions during production.



Made in Germany

Company headquarters in Munich, production facility in Lower Bavaria

Premium Supplier

Quality from leading German and European manufacturers

Warranty up to 5 years*

on battery cells or up to 2,500 charging cycles/ 150,000 km; optional: Extended warranty on the vehicle up to 5 years

Savings on operating costs with an aCar versus a comparable utility vehicle with an internal combustion engine*



Costs in absolute numbers:

aCar: €9,97 /100km (60 miles)

internal combustion engine: 33,23€/100 km (60 miles)

70% savings:

€9.97/100 km (60 miles) -70 %

Fuel:

€2.39/100 km (60 miles) -86 %

Repair / inspection:

€2.85/100 km (60 miles) -35 %

MOT:

€0.54/100 km (60 miles) -59 %

Insurance:

€4.19/100 km (60 miles) -54 %

* For details, see current warranty conditions

* Based on mileage per vehicle of 10,000 km (6,000 miles) per year
This unit is based on the drive: „kg / litre“ for internal combustion engines and „kg / kWh“ for the EVUM aCar

Technical specifications

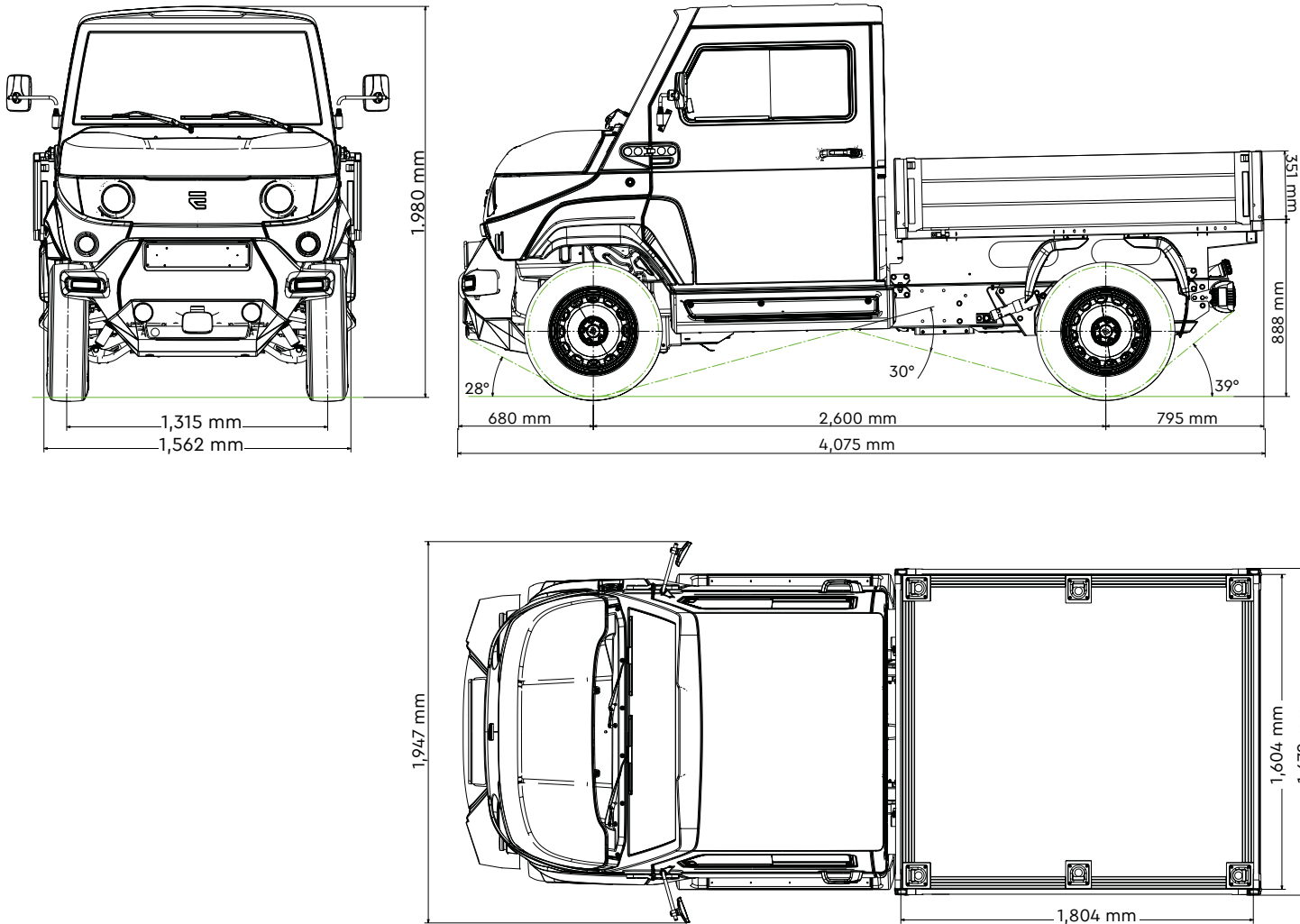
aCar with platform body

Package comparison



Empty weight according to ECE*	1,300 kg – 1,900 kg
Payload capacity	up to 1,200 kg
Permissible trailer weight, braked / unbraked Permissible total weight	1,000 kg / 750 kg 2,600 kg
Seats	2
Turning circle wall to wall	5,5 m
Tyre wheel dimension	185/75R16C
Volume of luggage hold	37 l
Motor type electric motor	Asynchronous motor (ASM) / passively cooled
Drive	All-wheel drive
Gearbox version	1-speed gearbox
Rated power (30 min.)	20 kW (according to UN ECE R85)
Peak power	26 kW (according to UN ECE R85)
Torque, max.	140 Nm
Top speed	70 km/h
Brake system	Hydraulic 2-stage brake system with power brake
Brakes front/rear	Internally vented disc brakes
Emergency brake	Mechanical, operating on the rear axle
Battery type	Lithium-ion battery (NCM)
Rated battery capacity	16.5 kWh
Rated voltage	48 V
Charging time AC (3-pin plug) 3.3 kW 80% SoC AC charging system plug	6.5 h Type 2
Approval class, EU vehicle class	N1
required driving licence	B

1) Empty weight of vehicle incl. 75 kg (165 lbs) and 90 percent filling level of all liquids and 100 percent of other fluids, as well as all other forms of equipment in operation (e.g. first-aid kit).



Equipment	Basic	Select
Side window with sliding opening	x	x
Windscreen wiper with windscreen washer system	x	x
Steel rims 16 inch	x	x
Exterior mirrors left and right	x	x
LED headlight	x	x
Fully galvanised ladder frame	x	x
Fog light	x	x
Rear fog light and reversing light	x	x
Electrically heated windscreen	x	x
Type 2 charging cable incl. charging point function	x	x
Steering wheel with height and length adjustment	x	x
LCD display with battery capacity indicator, tachometer, etc.	x	x
Three-point safety belt	x	x
Seats adjustable in longitudinal direction	x	x
Storage space under front bonnet	x	x
Side doors with interior panel	x	x
OBD diagnostic interface	x	x
Integrated charger 230V	x	x
AVAS system (pedestrian warning)	x	x
Summer tyres 185/75R16C	x	x
Double wishbone front axle	x	x
Rear single wheel torsion spring axle	x	x
Permanent all-wheel drive	x	x
stepless forward and reverse gear (1-speed transmission)	x	x
2 Electric motors 48 V (front/rear axle)	x	x
System power: 20 kW	x	x
Peak power: 28 kW (20 sec.)	x	x
Lithium ion battery 16.5 kWh	x	x
2 selectable speed levels (ECO, WORK)	x	x
Electric energy recovery (recuperation)	x	x
Entry package with footboard and entry handles	x	x
Tire repair kit	x	x
LED daytime running light		x
Sun visors		x
Central locking with radio remote control		x
Coloured dashboard console in vehicle colour		x
Rear window with interior rear view mirror		x
Telematics unit		x
Outdoor temperature sensor		x
Interior lighting		x
12V socket		x
USB connection in the dashboard console		x
Mobile phone holder		x
DAB radio with MP3, Bluetooth and hands-free system		x
Loudspeaker		x
Bio ethanol interior heater with ventilation function		x
Integrated auxiliary heating		x
External power socket 3 kW, 230 V		x
Superstructures	Special equipment and accessories	
Platform incl. 6 lashing eyes	Seat heating for driver and passenger Range package (23 kWh battery) Range package (33 kWh battery) Removable trailer coupling Preparation for high-voltage charging (CCS) Power charging: Wallbox incl. quick-charge cable Toolbox Reverse warning system Underride protection front and rear incl. front impact protection 45 km/h throttle Impact protection grille loading area Pendulum grid Tarpaulin & bows LED rotating beacon incl. interior controls and DIN warning/reflection foils Curved mirror Interior storage package Rubber floor mats	
Box		
Three-way tipper incl. remote control		
Colours		
EVUM Green		
Orange		
White		
Tyres and wheels		
Winter tyres		
All-season tyres		
Summer complete wheels		
Winter complete wheels		
All-terrain wheels		
All-season complete wheels		
Subject to change without notice. For more information, please contact EVUM Motors GmbH. Status September 2 nd , 2022.		

Construction, special equipment and accessories



Platform

Space for two Euro pallets side-by-side.
Loading height: 895 mm,
outer dimensions (LxWxH): 1,838 mm x 1,668 mm x 352 mm,
inner dimensions (LxWxH): 1,778 mm x 1,608 mm x 352 mm,



Three-way tipper incl. remote control

Unloading of bulk goods and space for two Euro pallets side-by-side. Loading height: 895 mm, outer dimensions (LxWxH): 1,838 mm x 1,668 mm x 1,145 mm
Can be tilted 42° to the left and to the right.
Can be tilted backwards by 37°.



Box

Ample space, protection from weathering. Passenger side: Door swings out 180°; rear doors swing out 270° (fixable); railing optional. Loading height: 924 mm, outer dimensions (LxWxH): 1,899 mm x 1,652 mm x 1,322 mm; inner dimensions (LxWxH): 1,787 mm x 1,535 mm x 1,105 mm



Impact protection grille

Transport of long goods and protection of the passenger cab and rear window.
Height, based on the upper edge of the truck bed: 940 mm



Removable grid

Higher sideboards for greater load volume.
Height, based on the upper edge of the truck bed: 811 mm



Tarpaulin & bows

Plenty of space & protection from weather.
Loading height: 895 mm
Inside length: 1,778 mm, inside width: 1,608 mm,
inside height: 1,260 mm (center), 1,160 mm (sides),
outside length: 1,838 mm, outside width: 1,668 mm,
outside height: 1,345 mm



A set of complete summer wheels

A set of complete winter wheels
compatible with snow chains

A set of complete all-season wheels
compatible with snow chains

185/75R16C, rim: 6Jx16 steel rim



A set of complete off-road wheels

185/75R16C, rim: 6Jx16 steel rim



Special equipment and accessories

LED rotating beacon incl. interior operation and DIN warning/reflective foils:

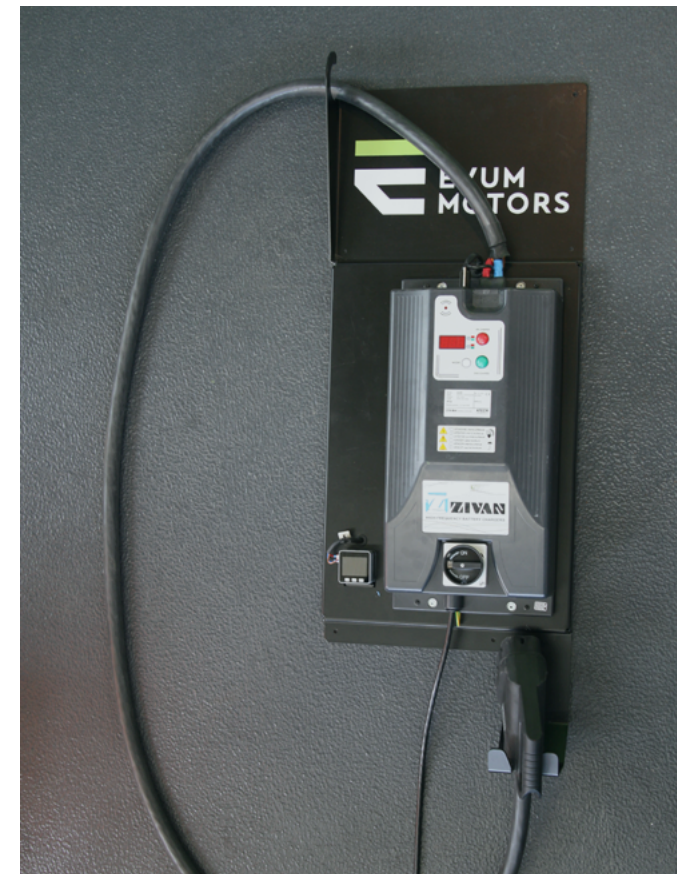
Clearly identifies the aCar as a municipal vehicle which is especially necessary for hazardous situations



Storage package with nets and coat hooks



Rubber floor mats for the foot space



Power charging: Wallbox incl. fast charging cable

shortens the charging time of the aCar.
Charging with up to 9 kW (0–80 % in approx. 2.0 hours, 0–100 % in 3.1 hours with 16.5 kWh battery)
CCS charging at public charging stations is not possible.

Preparation for heavy current charging exclusive



Reversing warning system

The auditory signal, audible in reverse gear warns people in the vicinity and thus helps to prevent accidents.



Underride protection front and rear incl. front impact protection

Protects your vehicle optimally even on unpaved roads





Curved mirrors

For better all-round visibility, especially when reversing.



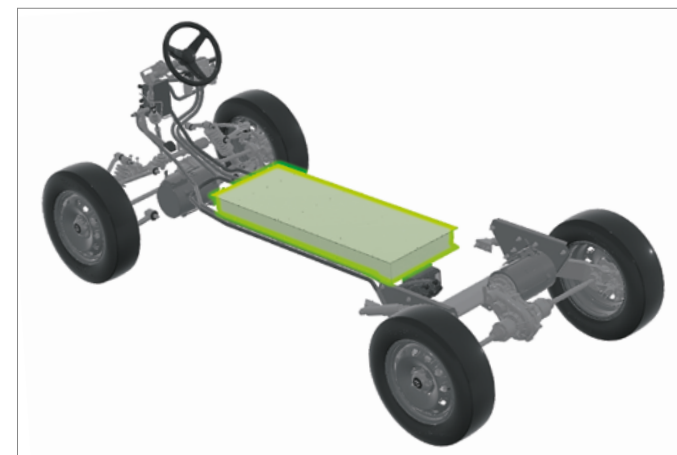
Seat heating

More comfort for the driver and passengers – Warmth with the touch of a button



Throttling to 45 km/h

When throttling, the required driving licence changes from class B to class AM.



Range package (23 kWh battery)

The medium battery with 23 kWh increases the range to up to 150 km (WLTP)

Range package (33 kWh battery)

The large 33 kWh battery increases the range up to up to 200 km (WLTP)

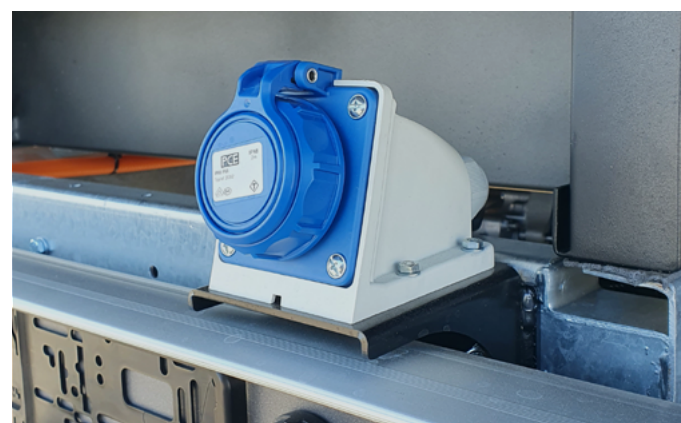


Removable trailer coupling

additional transport possibility: braked 1,000 kg / unbraked 750 kg / 70 kg drawbar load

External socket

Power your 230 V devices with up to 3 kW Continuous power (vehicle as energy source)



Tool box

Lockable tool box under the platform. Volume: 30 l





Do you have any questions or would you like a consultation? Please feel free to contact us – we look forward to hearing from you!

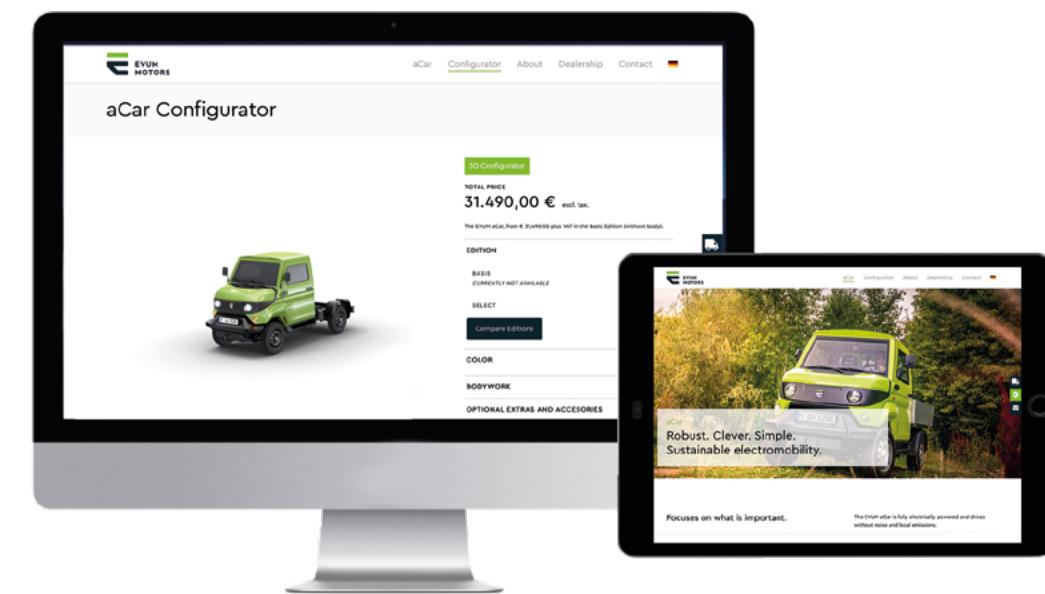
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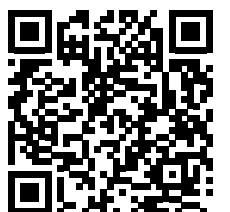


Book your personal test drive now and experience the aCar live.

Would you like to test out the capabilities of the aCar for yourself? Don't hesitate to make an appointment for a test drive. Our sales team will be happy to assist and advise you. Scan the QR code and book your test drive with just a few clicks at one of our 200 dealers in Germany and Europe.



Scan the QR code and configure your individual aCar:



The vehicle's performance data depends on the respective battery capacity (16.5 kWh, 23 kWh, 33 kWh); range: 91 - 200 km (according to WLTP); Electricity consumption: 17.5 - 19.6 kWh/100 km (1); CO2 emissions: 0 g/km (1)

(1) Deviations from the certified standard values may occur in actual driving operation. The real values depend on various factors, e.g. individual driving style, weather conditions, temperature and route conditions. *The illustration shows optional extra equipment.



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