

alkè
ELECTRIC VEHICLES

ATX4

ELECTRIC VEHICLES



NEW
ATX
R A N G E

THE NEW ATX4 RANGE

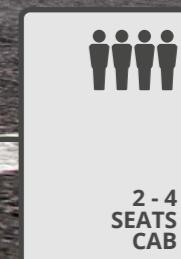
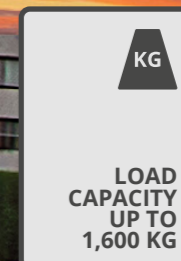
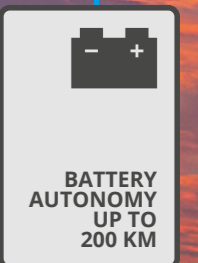
The new ATX 4 range represents excellence in the premium segment of professional electric utility vehicles.

As result of 4 years of development and testing, it joins the ATX 3 range by introducing new standards of safety and comfort in the cab, combined with further improved performance thanks to the new powertrain, new chassis and completely redesigned steering, braking and suspension compartment.

The 4WD traction available on the 480 models expands the range of applications to off-road areas or very critical terrains, that were previously unthinkable.

The cargo area, available in three lengths (S, M and L), is modular to cover even more applications with combined and in some cases interchangeable configurations.

ALKE Cloud Platform is available for this new range as well, allowing remote control of diagnostics and monitoring of on-board functions in real time.






HUNDREDS OF AVAILABLE SOLUTIONS

Find out among our configurations the best solution for your needs! ALKE' can develop special configurations upon request.

DR1




Dropside body

DR2




Dropside body with front storage box

TP1



Dropside tipper body

TP3




3-side tipper body

BV2



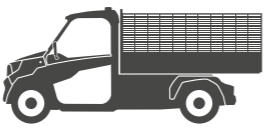
Box van body with roller shutter doors

TA1




Tarpaulin body openable on three sides

ME1




Dropside body with mesh sides extension

ME2




Dropside body with front storage box and mesh sides extension

IS1




Isothermal body

RE1




Refrigerated body 0 +4 °C

TL1



Tail lift and dropside body with mesh sides extension

TL2



Tail lift and box van body

OFF-ROAD VEHICLES

Vehicle with set-up and tyres for off-road use, also compatible with alternative cargo area configurations.

WA1



Waste collection body

WA2




Waste collection body with rear bin lift system

WA3



Waste collection body with tarp system

OR1



Off-road version

WA4



Waste collection body with front storage box

WA5



Waste collection body with high pressure washer

WA6



Waste collection body with compaction system

RS1




Rear seats kit

RS2




Rear seats kit with roof

RS3



Box van body with double bench seats

LH1




Roof ladder holder

CAB SEATS



AM1



Ambulance body

AM2



Ambulance body with roof

FF1




Water-based firefighting unit

CAB SEATS




WP1




Watering unit

CL1



Cleaning unit with high pressure washer 210 L

CL2




Cleaning unit with high pressure washer 600 L

TW1




Hitch for airport operations with rear control panel

CR1




Dropside body with crane

HO1




Hooklift

RL1



Rail-System for rail truck conversion

ST1



Semi-trailer coupling system fitting DIN Ø40 drawbar eyes

SN1




Front snow plough

CUSTOM ELECTRIC VEHICLES

Alke' provides custom-made solutions with equipment able to suit the most varied needs, including fleet vehicles.

ST2




Semi-trailer coupling system with fifth wheel fitting 2" kingpins

SN2



Rear salt spreader

CUS



Costumised configuration



PUBLIC SECTOR

municipal services, hospitals, school and university campuses, community services, cemeteries, park and green area maintenance, waste collection services, ecological and environmental services, civil protection, fire-prevention services, maintenance services in historical centres



INDUSTRY AND COMMERCE

industrial plants, shipyards, logistical centres, ports and airports, inter-ports, railway stations, exhibition structures, postal and courier services, catering services, home delivery services, conference centres, shopping centres



ATX4

READY FOR ANY SECTOR



TOURISM SECTOR

holiday parks, resorts, residences and hotels, golf clubs, parks, camp sites, beaches, seaside resorts, tourist-cultural sites, cultural sites, zoos and amusement parks, sport centres, ski centres, first aid services



AGRICULTURE SECTOR

arms, farmhouses, riding schools, organic farming centres, fish farms, vineyards, wooded areas, garden centres, nurseries, floriculture, greenhouses, estates on flat or hilly terrain, maintenance of parks of villas and castles

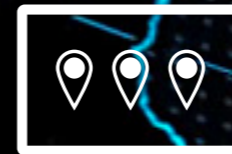


CLOUD CONNECTED

KEEP TRACK OF YOUR VEHICLES

A powerful and easy-to-use fleet management platform developed for ALKE' electric utility vehicles.

Get a 360° fleet overview in real time to empower your daily operations and drive down your costs.



FLEET MANAGEMENT

Your operation at a glance.



REMOTE DASHBOARD

Easy view of your EV assets.



CROSS PLATFORM

Don't miss any record.



REPORTS

Test drive, waste collection, activity map, vehicle's multi-stop route.

TYPE-APPROVAL AND CAB SEATS		S	M	L	DS	DM	S	M	L	DS	DM		
EU on-road type-approval		N1					N1						
Seats inside the cab		2	2	2	4	4	2	2	2	4	4		
PERFORMANCE		S	M	L	DS	DM	S	M	L	DS	DM		
Top speed		54					54						
Maximum negotiable slope (with high-performance batteries)		%	30	30	30	25	25	40	40	40	35	35	
Maximum autonomy - Lithium (LiFePO4) 11,8 kWh		km	107	107	107	102	102	83	83	83	76	76	
Maximum autonomy - Lithium (LiFePO4) 23,6 kWh		km	204	204	204	190	190	161	161	161	150	150	
DIMENSIONS		S	M	L	DS	DM	S	M	L	DS	DM		
A Length (chassis version)		mm	3.450	3.950	4.200	4.250	4.750	3.450	3.950	4.200	4.250	4.750	
B Length (version with cargo bed)		mm	3.580	4.080	4.550	4.375	4.875	3.580	4.080	4.550	4.375	4.875	
C Vehicle cab width (without rear-view mirrors)		mm	1.425					1.425					
D Vehicle cab width (with wing mirrors closed)		mm	1.480					1.480					
E Vehicle cab width (with wing mirrors open)		mm	1.680					1.680					
F Cab height (with standard tyres)		mm	1.920					1.920					
G Vehicle height (with flashing LED on cab roof and standard tyres)		mm	1.990					1.990					
H Wheelbase		mm	2.200	2.700	2.950	3.000	3.500	2.200	2.700	2.950	3.000	3.500	
I Approach angle		°	35					35					
J Departure angle		°	27					27					
K Rear axle distance from ground		mm	165					165					
L Maximum loading bed length		mm	1.500	2.000	2.500	1.500	2.000	1.500	2.000	2.500	1.500	2.000	
M Maximum loading bed width		mm	1.500					1.500					
WEIGHTS, CAPACITIES AND TOWING		S	M	L	DS	DM	S	M	L	DS	DM		
UVW unloaded vehicle weight chassis version with Lithium (LiFePO4) 11,8 kWh battery		kg	1.150	1.180	1.190	1.380	1.410	1.250	1.280	1.290	1.480	1.510	
UVW unloaded vehicle weight chassis version with Lithium (LiFePO4) 23,6 kWh battery		kg	1.220	1.250	1.260	1.450	1.480	1.320	1.350	1.360	1.550	1.580	
GVW gross vehicle weight max weight for fully-loaded vehicle		kg	2.300 2.700					2.300 2.700					
GCW gross combined weight max weight for fully-loaded vehicle + trailer		kg	4.250					4.950					
Maximum towing capacity (on road braked trailer)		kg	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	2.000	
Maximum towing capacity (not on road braked trailer)		kg	4.500	4.500	4.500	4.000	4.000	5.000	5.000	5.000	5.000	5.000	
Maximum chassis load capacity (= GVW - UVW) Lithium (LiFePO4) 11,8 kWh battery		kg	1.550	1.540	1.510	1.320	1.290	1.450	1.420	1.410	1.220	1.190	
Maximum chassis load capacity (= GVW - UVW) Lithium (LiFePO4) 23,6 kWh battery		kg	1.480	1.470	1.440	1.250	1.220	1.380	1.350	1.340	1.150	1.120	
MOTOR AND CONTROLLER		S	M	L	DS	DM	S	M	L	DS	DM		
48V AC asynchronous induction electric motor		•					•						
Maximum motor power		kW	23					23 x 2					
Maximum motor torque		Nm	145					145 x 2					
CURTIS 48V control electronics		•					•						
Vehicle performance settings (ECO and SPORT)		•					•						
Auxiliary cooling system for motor		•					•					+2	
Vehicle Body Computer (VBC)		Δ					Δ						
Smart VBC + 3Y data traffic		Δ					Δ						
12M STD Cloud Service license		Δ					Δ						
12M PRO Cloud Service license		Δ					Δ						
TRANSMISSION		S	M	L	DS	DM	S	M	L	DS	DM		
Transmission with electronic speed variation		•					•						
Rear wheel drive		•					•						
2 wheel drive		•					•						
4 wheel drive		•					•						
Heavy duty differential unit		•					•						
SUSPENSIONS		S	M	L	DS	DM	S	M	L	DS	DM		
Front suspension with MacPherson type independent wheels		•					•						
Rear suspension with springs, shock absorbers and coil stabiliser bar		•					•						
BRAKES		S	M	L	DS	DM	S	M	L	DS	DM		
Hydraulic front disc brakes with 4-piston calipers		•					•						
Rear drum brakes		•					•						
Parking brake		•					•						
Regenerative brake		•					•						
Electromagnetic parking brake for ATX with hill-holder system		Δ					Δ						

STEERING		S	M	L	DS	DM	S	M	L	DS	DM		
Rack and pinion steering		•					•						
Electric power steering (EPS)		•					•					+7	
Minimum turning radius internal		mm	3.000	3.500	3.750	4.100	4.600	3.000	3.500	3.750	4.100	4.600	
BODY AND CHASSIS		S	M	L	DS	DM	S	M	L	DS	DM		
White body colour		•					•						
Customised body colour		Δ					Δ					+0	
High-strength steel frame		•					•						
Impact-resistant polyethylene front and rear bumpers		•					•						
SAFETY		S	M	L	DS	DM	S	M	L	DS	DM		
3-point seat belt for driver and passenger(s)		•					•						
Presence sensor and seat belt on all seats		•					•						
Steering lock with key		•					•						
Horn / reverse buzzer		•					•						
Rear view camera with LCD rear view monitor		Δ					Δ						
Forward gear buzzer activable from dashboard		Δ					Δ						
Safety switch inside the cab for 48 V drive battery		•					•						
Safety switch inside the cab for 12 V service battery		•					•						
Tyre repair kit		•					•						
LIGHTS		S	M	L	DS	DM	S	M	L	DS	DM		
LED front and rear lights		•					•						
Electric headlight height adjustment		•					•						
Full LED rear lights		•					•						
Rear fog light and LED reversing light		•					•						
LED DRL lights		•					•						
Orange flashing LED on cab roof		Δ					Δ					+2	
Blue flashing LED on cab roof		Δ					Δ					+2	
CAB COMFORT		S	M	L	DS	DM	S	M	L	DS	DM		
Timed heated windshield		•					•						
Electric demister		Δ					Δ					+7	
Webasto heating (as an alternative to electric demister)		Δ					Δ					+13	
Semi-automatic air conditioning (heating + cooling)		Δ					Δ					+25	
Adjustable seats (sliding + reclining)		•					•						
Front doors with sliding windows		Δ					Δ					+0	
Rear doors		•					•						
Headrests		•					•						
Cab interior lighting		•					•						
Sun visors		•					•						
Rear-view camera		Δ					Δ						
Car audio system AM/FM/DAB/DAB+ with USB and Bluetooth		Δ					Δ						
USB Type A+C connector on your board		•					•						
Openable front windscreen		•					•						
Central door locks with remote control		Δ					Δ						
Windscreen wiper with windscreen washer		•					•						
DASHBOARD		S	M	L	DS	DM	S	M	L	DS	DM		
ECO / SPORT selector		•					•						
Speedometer (km / mph)		•					•						
Hour meter		•					•						
Indicators <i>battery capacity • battery state of charge • current delivered by inverter • inverter errors • inverter temperature • motor temperature</i>		•					•						
Warning lights <i>aux 1 • aux 2 • backward gear • battery on charge status • beacon light • brake oil shortage • directional lights • doors lock • electric demister • electric motor overheating • emergency lights • forward gear • headlights • heated windshield • lifted cargo bed • low beam headlights • neutral gear • power steering • rear fog light • side lights • webasto fuel shortage</i>		•					•						
BATTERIES AND CHARGING		S	M	L	DS	DM	S	M	L	DS	DM		
Lithium (LiFePO4) 11,8 kWh		•					•						
Number of batteries		•					•						
Estimated battery life		cycles					1x51,2V					1x51,2V	
Estimated battery charge time		hours					3.500					3.500	
Consumption for complete recharge		kWh					3,5					3,5	
		11					11					11	

BATTERIES AND CHARGING

	S	M	L	DS	DM	S	M	L	DS	DM	
Lithium (LiFePO4) 23,6 kWh			Δ					Δ			
Number of batteries			1x51,2V					1x51,2V			
Estimated battery life	cycles		3.500					3.500			
Estimated battery charge time	hours		7					7			
Consumption for complete recharge	kWh		22					22			
12 V services auxiliary battery			•					•			
Type 2 charging cable - Type 2			Δ					Δ			
Type 2 charging cable - Schuko (230V 10A)			Δ					Δ			
Battery charge on vehicle (active PFC - 230V 16A 50-60Hz power supply)			•					•			

CONFIGURATIONS AND CARGO AREA ACCESSORIES

	S	M	L	DS	DM	S	M	L	DS	DM	
1.500x1.400 mm S dropside body (aluminium drop sides H30 cm)	Δ			Δ		Δ			Δ		
2.000x1.400 mm M dropside body (aluminium drop sides H30 cm)		Δ			Δ		Δ			Δ	
2.500x1.400 mm L dropside body (aluminium drop sides H30 cm)			Δ					Δ			
1.500x1.400 mm S mesh sides extension H55cm with rear drop side with upwards opening	Δ			Δ		Δ			Δ		
2.000x1.400 mm M mesh sides extension H55cm with rear drop side with upwards opening		Δ			Δ		Δ			Δ	
2.500x1.400 mm L mesh sides extension H55cm with rear drop side with upwards opening			Δ					Δ			
1.500x1.400 mm S electro-hydraulic tipping for dropside body unit	Δ			Δ		Δ			Δ		
2.000x1.400 mm M electro-hydraulic tipping for dropside body unit		Δ			Δ		Δ			Δ	
2.500x1.400 mm L electro-hydraulic tipping for dropside body unit			Δ					Δ			
1.500x1.400 mm S tarpaulin body H105 openable on three sides for dropside body unit	Δ			Δ		Δ			Δ		
2.000x1.400 mm M tarpaulin body H105 openable on three sides for dropside body unit		Δ			Δ		Δ			Δ	
2.500x1.400 mm L tarpaulin body H105 openable on three sides for dropside body unit			Δ					Δ			
Ladder rack for dropside body unit			Δ					Δ			
2.000x1.400 mm M box van body with side roller shutters H132cm		Δ			Δ		Δ			Δ	
COMBI storage box 45 x 125 cm H110 cm + 1.500x1.400 mm S dropside body (aluminium drop sides H30 cm)		Δ			Δ		Δ			Δ	
COMBI storage box 45 x 125 cm H110 cm + 2.000x1.400 mm M dropside body (aluminium drop sides H30 cm)			Δ					Δ			
rear tail lift + 2.000x1.400 mm M box van body		Δ			Δ		Δ			Δ	
rear tail lift + 2.500x1.400 mm L box van body			Δ					Δ			
rear tail lift + 2.000x1.400 mm M box van body		Δ			Δ		Δ			Δ	
rear tail lift + 2.500x1.400 mm L box van body			Δ					Δ			
2.000x1.400 mm M isothermal body H130 cm		Δ			Δ		Δ			Δ	
2.000x1.400 mm M refrigerated body 0 +4 °C with side and rear door		Δ			Δ		Δ			Δ	
1.500x1.400 mm S 2.2m³ waste collection body	Δ			Δ		Δ			Δ		
1.500x1.400 mm S 2.2m³ waste collection body with rear bin lift system and rear-view camera	Δ			Δ		Δ			Δ		
2.000x1.400 mm M 2.8m³ waste collection body		Δ			Δ		Δ			Δ	
2.000x1.400 mm M 2.8m³ waste collection body with rear bin lift system and rear-view camera		Δ			Δ		Δ			Δ	
2.500x1.400 mm L 3.5m³ waste collection body			Δ					Δ			
2.500x1.400 mm L 3.5m³ waste collection body with rear bin lift system and rear-view camera			Δ					Δ			
2.500x1.400 mm L 3.5m³ waste collection body with compactor, rear bin lift system and rear-view camera			Δ					Δ			
tarp system for S 2.2m³ waste collection body	Δ			Δ		Δ			Δ		
tarp system for M 2.8m³ waste collection body		Δ			Δ		Δ			Δ	
tarp system for L 3.5m³ waste collection body			Δ					Δ			
broom and dustpan holder kit			Δ					Δ			
Rear bumpers for waste collection body			Δ					Δ			
Rear bumpers for waste collection body with rear bin lift system			Δ					Δ			
1.500x1.400 mm S COMBI high pressure cleaner with 210 L tank and 20 m hose		Δ			Δ		Δ			Δ	
2.000x1.400 mm M COMBI high pressure cleaner with 210 L tank and 20 m hose			Δ					Δ			
Cleaning unit with high pressure washer 600 L tank and 20 m hose			Δ					Δ			
Fire-fighting module with 600 L tank and 50 m hose			Δ					Δ			
Hydraulic crane + 2.000x1.400 mm M dropside body unit			Δ					Δ		Δ	
Semi-trailer coupling system S	Δ			Δ		Δ			Δ		
Semi-trailer coupling system M		Δ			Δ		Δ			Δ	
Load lashing eyes on loading bed			Δ					Δ			

FRONT AND REAR ACCESSORIES

	S	M	L	DS	DM	S	M	L	DS	DM	
Ball tow hitch			•					•			
Rear trailer hitch with ball & pin coupling			Δ					Δ			
Front automatic tow hitch fitting DIN Ø40			Δ					Δ			
Show plough hydraulic kit			Δ					Δ			
Show plough hydraulic kit with independent electro-hydraulic unit			Δ					Δ			
Snow plough			!					!			

FRONT AND REAR ACCESSORIES

	S	M	L	DS	DM	S	M	L	DS	DM	
Electric salt spreader			Δ					Δ			
Reverse inching device for easy trailers coupling			Δ					Δ			
Additional 48V-80Ah plug with switch control on dashboard			•					•			

TYRES

	S	M	L	DS	DM	S	M	L	DS	DM	
205/70 R15 road tyres (ECO)			•					•			
205/70 R15 off-road tyres			Δ					Δ			
205/70 R15 winter tyres			Δ					Δ			
205/70 R15 M+S 4-season tyres			Δ					Δ			
Alloy rims on OE wheel sets			Δ					Δ			
Snow chains for road tyres			Δ					Δ			
Tyre puncture protection treatment			Δ					Δ			
Spare wheel with 205/70 R15 road tyres (ECO)			Δ					Δ			
Spare wheel with 205/70 R15 off-road tyres			Δ					Δ			
Spare wheel with 205/70 R15 winter tyres			Δ					Δ			
Spare wheel with 205/70 R15 M+S 4-season tyres			Δ					Δ			
Alloy rims for spare wheel			Δ					Δ			

NOTE

Top speed: approximate, obtained on a flat surface in optimum usage conditions and in SPORT mode. **Maximum negotiable slope:** approximate and assessed with vehicle empty in ideal usage conditions on discontinuous ramps. **Maximum autonomy:** the max autonomy value reported is indicative and refers to homologation data collected on WLTP cycle basis (combined circuit) with an configuration Alke' ATX vehicle with basic flatbed configuration. **Estimated battery lifespan:** approximate figure, based on the information in the manufacturer's possession at the time this file was published. **Maximum towing capacity:** calculated in optimum usage conditions, the trailers must have repulsion brakes and comply with the law. Maximum vertical weight on the tow hitch: 120kg. **The technical specifications indicated in this catalogue** (performance, autonomy, dimensions, etc.) depend - or may depend - on temperature, terrain, driving style, accessories, load or use of the vehicle. The data usually refers to use on a flat surface in optimum usage conditions - i.e. a basic vehicle version with no load and with the lightest battery, on an even and paved road surface with an outdoor temperature of 25°C, the battery fully charged, on board electronic devices switched off, and without any other accessory consumption. **The technical specifications,** design and performance levels indicated in this technical data sheet are by way of example only and may be subject to modifications without prior notice.

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ELECTRIC VEHICLES



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AEO-IT AEOF 21 1793

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