

NEW GENERATION DAF ELECTRIC

Technical
Specifications

Powering your Success



Driving zero emissions



A perfect solution for every need

The entire range of New Generation DAF trucks is available with a super-efficient electric powertrain. Offering a perfect solution for every transportation need, our electric range has been built with the same DAF focus on efficiency, safety, vision and comfort. Bringing you both the most technically advanced DAF trucks ever created and a huge step nearer your sustainability goals.

New Generation DAF Electric range
Because DAF offers the complete range of electric vehicles, we can develop solutions tailored to your transportation requirements. The XB Electric comes with the proven technology and sturdiness needed for the urban environment. The XD Electric is our all-round solution with the best distribution cab in the business – qualities that also make the XDC version well-suited to

inner city construction work. Going a step further, the XF Electric is the ideal choice for regional haul, while the XFC version suits construction tasks that require a bit more driving. Leading the pack are the XG Electric and XG⁺ Electric, which have the largest cabs on the market for BEV applications. Offering unparalleled comfort, they're the perfect answer for long-haul drivers.

NEW GENERATION DAF

- Optimal aerodynamics
- Unmatched driver comfort
- Best-in-class direct vision
- State-of-the-art digital systems
- Industry-leading safety

ELECTRIC POWERTRAIN

- Efficient driveline
- Sustainable
- Durable battery technology
- Versatile applications
- Low maintenance

DAF ELECTRIC

The state-of-the-art, futureproof solution to your transportation needs. Whether that's long-haul or local distribution, municipal or construction applications.

Durable battery technology

In order to deliver the best battery performance in terms of durability and range, DAF was the first in the industry to adopt LFP (lithium ferro phosphate) battery technology. By avoiding using toxic materials such as cobalt or rare earth materials such as manganese and nickel, LFP is a truly sustainable composition for batteries. LFP also has best-in-class durability and longevity. As a result, DAF Electric trucks can use up to an industry-leading 88% of their total installed energy capacity.

Warranty and service

A major benefit of an electric driveline is the limited maintenance required. What's more, DAF Electric trucks benefit from the same vehicle warranty programmes as every other New Generation DAF truck. DAF also offers an industry-leading 4 MWh/kWh (or 8 year) warranty on DAF Electric high voltage battery packs.



Meet our electric truck range

DAF XB Electric

Clean, silent, compact and highly manoeuvrable, the XB Electric is the truck for the inner city. The onboard AC charger enables charging anywhere while the DC charger provides fast charging; a combination that gives you real operational flexibility. Range more than 350 km.



DAF XF Electric

The highly efficient electric motor and Lithium Ferro Phosphate (LFP) battery packs guarantee outstanding performance and exceptional durability in all DAF electric vehicles. Combine that with a more than comfortable interior design and it makes the XF Electric the smart choice for regional or national haulage. Range over 500 km.



DAF XFC Electric

Another great offroad operator, the XFC features a robust bumper, grille and steel radiator protection plate. And its electric powertrain makes it a must-have for working in urban zero-emission zones. The higher seating position makes it well-suited to construction jobs that require a bit more driving. Range over 500 km.



DAF XD Electric

Advanced safety features, a state-of-the-art powertrain, superb driver comfort, and a low mounted cab. All characteristics that make the XD Electric ideal for regional and city distribution. The all-round transportation solution for zero emission applications. Range over 500 km.



DAF XDC Electric

With its large approach angle, high ground clearance and robust design, the XDC is built for harsh offroad conditions. It's ideal for construction work in zero-emission zones and offers a superb view from the cabin: vital in built-up urban areas. Range over 500 km.



DAF XG Electric

The XG is designed to optimise the long-haul experience. The elongated cab is incredibly spacious with great storage options, sophisticated lighting and a high-end finish. Combined with the aerodynamic exterior and a highly efficient driveline it makes the XG the perfect choice when you're going that extra mile. Range over 500 km.



DAF XG+ Electric

Meet DAF's electric flagship model. From an exceptional standing height to a superb multimedia experience, the XG+ provides premium comfort, spaciousness and luxury on the one hand and excellent standards in road safety and energy efficiency on the other. Giving you everything you want from a long-haul specialist. Range over 500 km.

The power of efficiency

Even before you enter the vehicle, it's preparing for your journey. All systems start pre-activation when you open the door to ensure the truck is ready to go when you turn the key. Shifting is seamless and braking charges your batteries, making the ride smoother and more energy-efficient than ever. And to maximise efficiency further, DAF's One Pedal Drive functionality can use the electric motor to recuperate energy when braking. When this function is engaged the truck can be controlled using just the accelerator pedal, while the braking power level can be set manually to one of three levels using the right-hand stalk.

SMART PLANNING

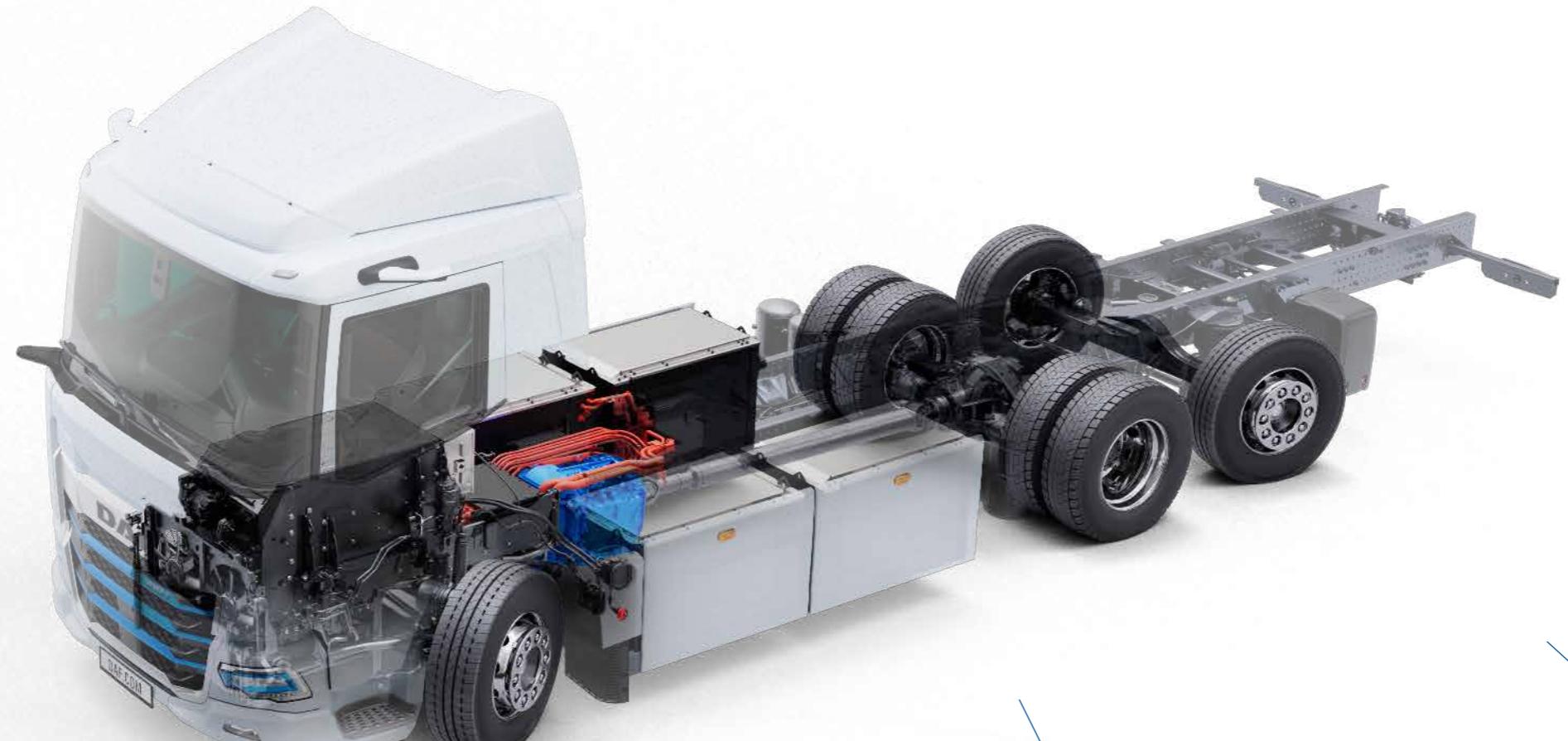
Your DAF Electric truck charges with maximum efficiency, based on your needs. Just tell it how far you need to drive after charging and when you want to start driving again, and it will make sure it's charged in time and keep a close eye on your battery health. And of course, it will also ensure the cab is conditioned and comfortable at your planned time of departure.

VERSATILE APPLICATIONS

To ensure you have the power you need for the job, all DAF Electric trucks can be configured with an electric power take-off (ePTO) of 25 or 90 kW. This instantly available electric power can be used for any application, such as refrigeration, refuse collection or a loading crane for construction work, providing the most efficient and adaptive power take-off possible.

EFFICIENCY AND RANGE

When choosing an electric truck, efficiency and range are critical factors to consider. The modular configuration of DAF Electric trucks means there's plenty of choice in terms of energy storage. Ultimately, the range depends on your configuration, application, driving style and other factors, such as the use of auxiliaries. But average energy consumption for the most typical situations ranges from 0.7 to 1.2 kWh/km. That delivers a range of more than 350 km for the DAF XB and over 500 km for the more powerful models.



FAST CHARGING

Key to uptime is recharging your energy source as quickly and efficiently as possible. There are various ways to achieve this. DAF Electric vehicles come with the industry standard CCS2 charging sockets to facilitate quick charging. As well as a 22 kW AC charging solution, there are fast-charging DC options ranging from 150 to 325 kW (XB only 22 kW AC and 150 kW DC). Charging to 80% can be done in 45 minutes for a 420-kWh battery pack, maximising time on the road. And as a complete mobility provider, DAF can facilitate the creation of your optimal charging infrastructure using our products and services from PACCAR Power Solutions.

SMOOTH DRIVING

The DAF Electric programme features a full range of highly efficient central drive powertrains. From the 120-190 kW direct drive electric motors of the XB Electric to the powerful 170-350 kW e-motors with automated transmission systems for the XD, XDC, XF, XFC, XG and XG+. The powershift technology uses two e-motors to smooth out torque differences during gear changes. This results in seamless shifting and gives DAF electric trucks a unique and effortless driving experience.

OPTIMAL CONFIGURATION

There are endless options to create the electric truck to fit your exact needs. Choose from tractor and rigid chassis, as well as different cab versions and solo or combination configurations. At DAF we want to make sure you get the best truck for the job and can help you identify the configuration that's right for you, with a focus on payload, range and cost of ownership. We're also more than happy to help you find your best answer when it comes to energy capacity and charging options.

FLEXIBLE CAPACITY

The DAF Electric series can be configured with different numbers and configurations of battery packs. So for long haul transportation you can install more battery packs to increase energy capacity (141 to 525 kWh) and range. Or install fewer battery packs to free up space on one side for a specific body, such as a side loader. DAF was an early adopter of LFP technology and has selected the safest, most durable and most sustainable battery technology around, with a high cycle life and using no rare earth materials.

Specifications

XB Electric			
Cab versions			
Available configurations			
	FA 12 t	FA 16 t	FA19 t
Gross Vehicle Mass (t)	12	16	19
E-motor	EX-M1 120 kW	•	-
	EX-M2 190 kW	-	•
Wheelbase (cm)	355-570	380-670	375-690
Battery pack(s)	1 141 kWh	•	-
	2 210 kWh	•	•
	2 282 kWh	•	•
Charging	• 22 kw AC + 150 kW DC		
ePTO	• 25 kW DC • 90 kW DC		

Specifications

XD / XDC Electric									
Cab versions									
Available configurations									
	FA	FAS	FAG						
Gross Vehicle Mass (t)	21,5	29	29	29	30* 31	39	21,5	29	29
Gross Combination Mass (t)	50	50	29	50	50	50	50	50	50
E-motor	170 kW	•	•	•	•	•	-	-	-
	EX-D1 220 kW	•	•	•	•	•	-	-	-
	270 kW	•	•	•	•	•	-	-	-
	270 kW	•	•	-	•	•	•	•	•
EX-D2	310 kW	•	•	-	•	•	•	•	•
	350 kW	•	•	-	•	•	•	•	•
Wheelbase (cm)	390-610	380-590	430-540	380-610	405-555	405-555	390	415	400
Battery pack(s)	2 210 kWh	•	-	-	-	-	-	-	-
	3 315 kWh	•	•	•	•	•	•	•	•
	4 420 kWh	•	•	•	•	•	•	-	•
	5 525 kWh	•	•	•	•	•	•	-	•
Charging	• 22 kW AC + 150 kW DC • 22 kW AC + 325 kW DC • 150 kW DC • 325 kW DC								
ePTO	• 25 kW DC • 90 kW DC								

* Available for the XDC Electric

Specifications

Specifications

* Available for the XFC Electric

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