

DAF XD Electric



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The XD Electric offers the ideal solution for transporting various goods in an environmental friendly way from regional to distribution, and even urban areas. Thanks to its powerful electric motor, the possibility to use up to 325 kW DC-charging, various battery capacity, chassis configurations, and a 25 or 90 kW ePTO, the XD Electric provides a high level of flexibility.

NEW GENERATION DAF LOOK-AND-FEEL

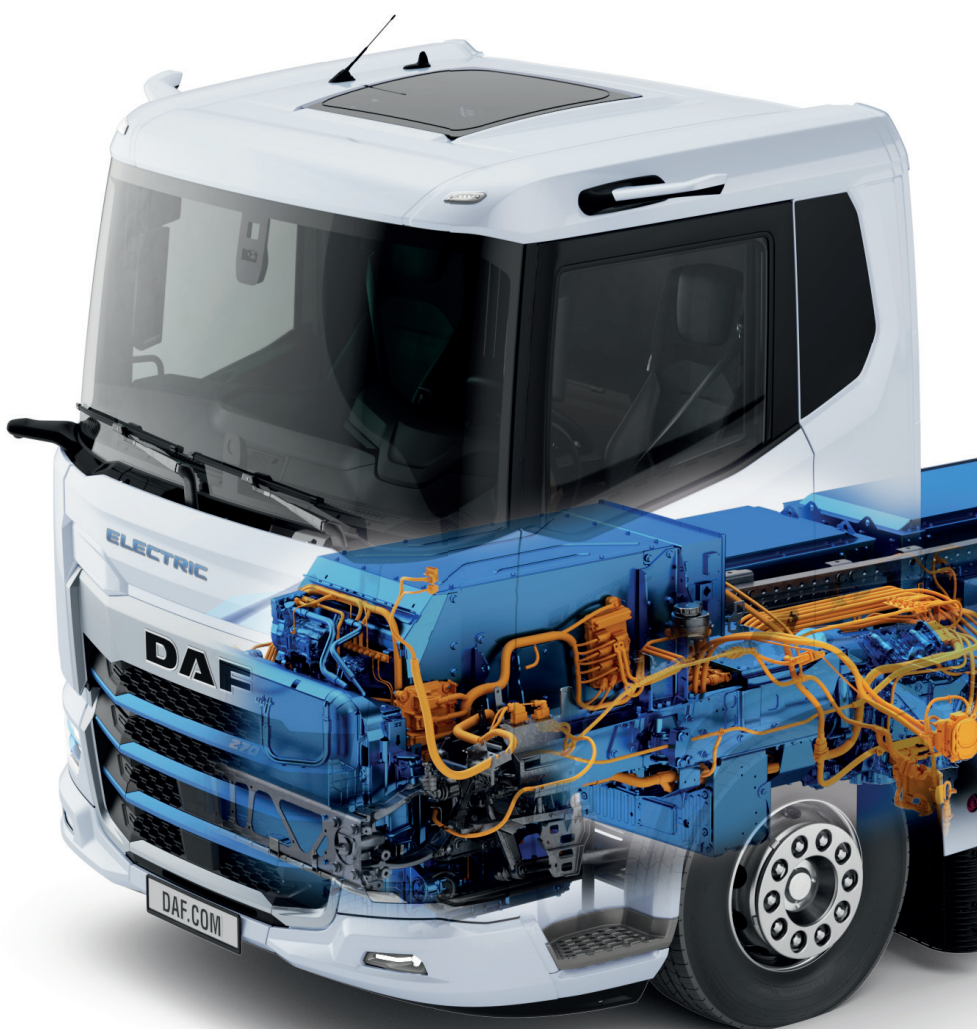
The XD Electric is of course a complete New Generation DAF product with its specific cab and direct vision features. In addition, the XD Electric is completely up to speed with ADAS developments and cybersecurity regulations.

INDUSTRY LEADING IN DIRECT VISION

Like its diesel counterpart the XD can be configured to meet the requirements for a 5 star rating according to London Direct Vision Standards, unique in the market!

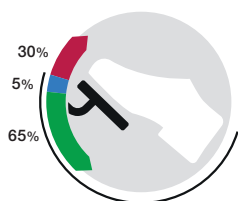
POWERTRAIN AND DRIVELINE

The powerful and efficient integrated electric powertrain with optimised transmission (170 to 350 kW) offers plenty of power and torque, and also recovers electrical energy during braking by using E-Drive Control. Making use of carry-over drivetrain parts from DAF's diesel powered vehicles, there is plenty of choice.



E-DRIVE CONTROL

In order to maximise efficiency, DAF E-Drive Control can be engaged to use the electric motor for recuperating energy when braking. When E-Drive Control is activated through the right-hand stalk, the truck can be controlled by just using the accelerator pedal. The bottom 65 per cent of the pedal stroke is used for acceleration. The top 30 per cent is used for braking (and recuperating energy to the batteries). The 5 per cent in between can be used for freewheeling. The maximum amount of available braking power has three levels: 33%, 67%, or 100% of the maximum motor power, and can be manually adjusted using the right-hand stalk.



ENDURANCE BRAKING AND BRAKE RESISTOR

In case of endurance braking, i.e. braking for a longer period of time, most of the energy will be recuperated. In some cases the required energy capacity is not available. For combination vehicles, a brake resistor is installed. In this way, endurance braking is ensured and extra energy reservation is not required, resulting in more available energy capacity for the driver at all time.

PLANNING

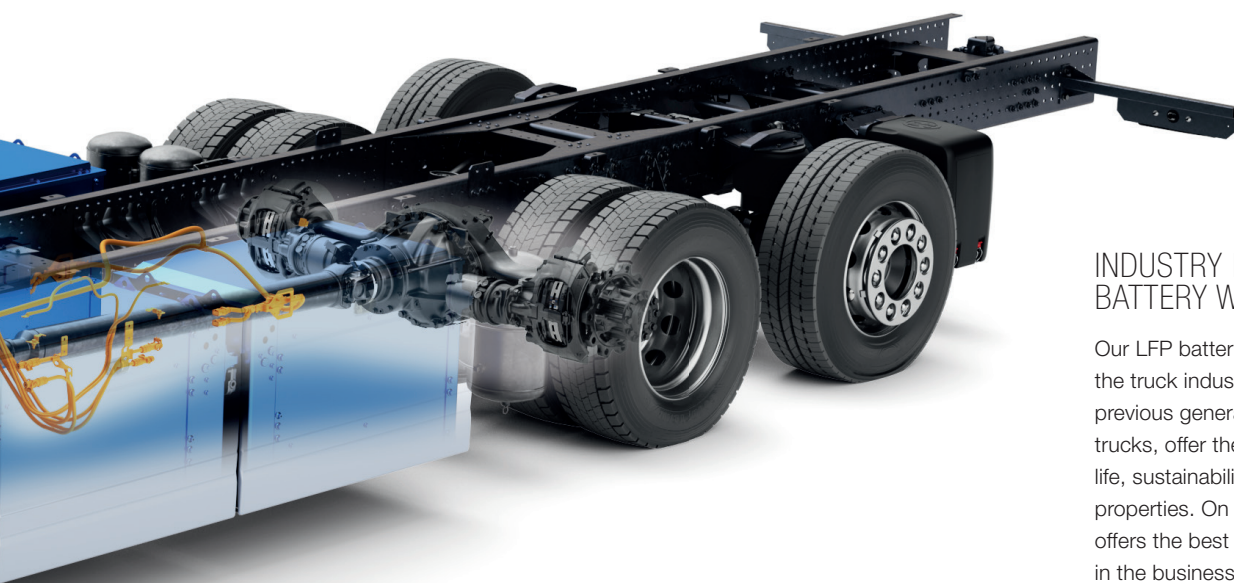
Through the DAF Electric specific menu, you can plan charging whenever it's convenient for you. This means you can use energy price fluctuations and charger availability to your advantage. In addition, you can tell the truck exactly when you want to leave, so it makes sure the cab is all nice and comfy by the time you plan to set off.

BODYBUILDER FRIENDLINESS

With the same characteristics as its diesel powered sister, the XD Electric is conveniently built for bodying. With the option to keep one side free and batteries and various options to move around batteries, flexibility is optimal. A 25 or 90 kW Electric Power Take-Off (ePTO) is optionally available for the XD Electric.

ENERGY CAPACITY

The XD Electric offers various configurations of battery energy, offering 210 to 525 kWh of installed energy capacity. The LFP batteries offer up to 88% depth of discharge. The available amount of energy therefore is 185, 277, 370, and 463 kWh, respectively.



INDUSTRY LEADING BATTERY WARRANTY

Our LFP batteries, introduced to the truck industry by DAF in its previous generation of electric trucks, offer the best cycle life, sustainability, and safety properties. On top of that, DAF offers the best battery warranty in the business, guaranteeing 70% State of Health over 8 years or 4 MWh/kWh of energy use, equivalent to 4.000 charging cycles.















EFFICIENCY AND RANGE

Using the E-Drive Control as much as possible, the range can be extended especially in distribution traffic. The XD Electric can drive up to 500 kilometres, depending of course on load, configuration, route, and driving style.















CHARGING

The XD Electric comes with possibilities to charge both through Alternating Current (up to 22 kW) and Direct Current for fast charging for 150 or 325 kW. By selecting the 325 kW charging option, fast charging up to 80 per cent during the mandatory break time will be possible.

Configuration and options

XD Electric			Motor	Power (kW)	Energy Capacity (kWh) installed available				Day Cab	Sleeper Cab	Sleeper High Cab
	FA 4x2		PACCAR EX-D1	170	210 180	315 270	420 360	525 450			
	FAN 6x2			220		315 270	420 360	525 450			
	FAG 6x2			270		315 270	420 360	525 450			
	FA 4x2		PACCAR EX-D2	270		315 270	420 360	525 450			
	FAN 6x2			310			420 360	525 450			
	FT 4x2			350			420 360	525 450			

Battery configurations

315 kWh	420 kWh		525 kWh
			
			
			
			

Highlights

- Available as FT 4x2 tractor, or FA 4x2, FAG 6x2, and FAN 6x2 rigid
- 210, 315, 420, or 525 kWh energy capacity
- GVW Bonus: Up to 2 tonnes can added up to technical limit
- Efficient powertrain with intergrated powershift transmission
- Brake resistor for endurance braking and extra range (combination only)
- New Generation DAF efficiency, safety and driver comfort
- Up to date with ADAS and cybersecurity requirements
- Industry leading battery warranty: 8 years, 4 MWh/kWh, 70% SoH

Options

- Charging capacity of 150 kW DC (01745), 150 kW DC + 22 kW AC (01749), or 325 kW DC (01756)
- ePTO 25 kW (01809) or 90 kW (04320)
- 10t front axle (07114)
- Kerb view window (07343)
- DAF Digital Vision System (01362)
- DAF Corner View (01913)
- PACCAR Connect (07707)