

PRESS RELEASE

FleetBoost brings ultra-fast charging for electric trucks to Spain: up to 400 kW without grid expansion



First deployment of the FleetBooster at Sesé in Zaragoza

(Greven, 16.07.2026) The electrification of heavy-duty transport in Spain is gaining momentum: more and more logistics companies are turning to electric trucks to meet the requirements of Low Emission Zones and reduce their carbon footprint. However, a critical obstacle is slowing this transformation: the Spanish power grid is at its limit. Around 75% of the transmission grid's nodes can no longer accommodate additional electricity demand, and obtaining a new high-capacity grid connection involves waiting times of three to five years. German start-up FleetBoost now offers a solution that can be deployed immediately: mobile battery storage systems that enable ultra-fast charging of electric trucks at up to 400 kW – without any grid expansion.

First FleetBooster trials in Spain

Sesé, one of the leading logistics players on the Iberian Peninsula, headquartered in Zaragoza, has tested the FleetBooster 20 at its Zaragoza site. With more than 16,000 employees in 15 countries, Sesé is an end-to-end supply chain manager whose service

portfolio covers road, air and sea transport, logistics, and module assembly for the automotive industry.

The trials in Zaragoza demonstrate how the FleetBooster performs under real-world conditions in the Spanish market: despite a limited grid connection of just 80 kW, the FleetBooster 20 can deliver charging power of up to 400 kW, combined with solar energy whenever it is available on site. The region of Aragon, home to Zaragoza, enjoys more than 2,800 hours of sunshine per year, making it one of the sunniest areas in Europe – which makes the combination of photovoltaic integration and the FleetBooster particularly attractive.

Spain: plenty of sun, not enough grid

With 2,500 to 3,000 hours of sunshine per year, Spain is one of the sunniest countries in Europe – ideal conditions for solar power generation. Yet this natural advantage contrasts with a structural problem: the grid connection infrastructure is saturated. Securing a new high-capacity grid connection can take years and involves considerable costs. For transport and logistics companies looking to electrify their fleets, this is a real brake on growth. Many logistics hubs in Spain have grid connections of barely 80 kW – far too little for fast charging of electric trucks. This is exactly where FleetBoost comes in.

The solution: mobile battery storage with solar integration

Available as 20- and 40-foot containers, the FleetBooster systems work like intelligent energy storage on wheels. They charge slowly via the existing grid connection (from as little as 80 kW) and deliver the stored energy at high power when needed: up to 400 kW with the FleetBooster 20 (1.06 MWh) and up to 800 kW with the FleetBooster 40 (2.1 MWh).

In Spain, the integration of photovoltaic systems offers enormous potential: solar power generated on site is stored directly in the FleetBooster and used to charge the trucks. This not only reduces dependence on the grid but also significantly lowers energy costs.

“Spain is an ideal market for our technology,” explains Frederik Rumpf, CEO and co-founder of FleetBoost. “Grid connections are limited, and expansion processes are lengthy and expensive. At the same time, the country benefits from exceptional solar irradiation. With our FleetBooster, logistics companies can start charging their electric trucks right away, combining the existing grid with solar energy – without having to wait years for a new grid connection.”

Key advantages for the Spanish market

- **Immediately available:** plug-and-play installation within a few weeks, no building permits required
- **No grid expansion:** works with grid connections from as little as 80 kW
- **Solar integration:** direct use of Spain's more than 2,500 hours of sunshine per year
- **Scalable and flexible:** modular expansion as the fleet grows
- **Charging-as-a-Service:** no upfront investment in hardware – pay per use
- **Certified quality:** compliant with IEC/EN 62477-1, verified by TÜV Rheinland, LFP cell technology from CATL

Already in regular operation: reference project with DB Intermodal Services

FleetBoost's technology has already proven its performance under real-world conditions. DB Intermodal Services, a Deutsche Bahn Group company, uses the FleetBooster 40 at its logistics hub in Großbeeren, Germany, to charge its electric truck fleet. Despite a grid connection of just 100 kW, charging power of up to 800 kW is achieved. The system enables scalable, grid-independent fast charging at a level previously only possible with a medium-voltage connection.

Sobre FleetBoost

FleetBoost is a German start-up based in Greven (North Rhine-Westphalia) that develops mobile energy storage solutions and high-power charging infrastructure for heavy-duty electric vehicles. Born out of hands-on logistics experience, the company combines battery storage, fast-charging infrastructure and intelligent energy management (FleetBoost PULSE) in a single modular system. FleetBooster units are used in transport logistics, passenger transport, construction, agriculture, events and ports.

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