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Truck-mounted power bank: Putzmeister iONTRON GridXpress at bauma 2025

iONTRON GridXpress – the mobile charging station for electric machines

Aichtal, February 2025 – With its iONTRON product range, Putzmeister is a pioneer in the electrification of construction sites – and is paving the way for its customers to work in an environmentally friendly way. The iONTRON GridXpress, a mobile charging station for electrically powered concrete pumps and other construction machines as well as electric vehicles, ensures that there is always enough electricity available, even if the infrastructure on construction sites is inadequate. The company is presenting the GridXpress at its stand in Hall B6 at this year's construction trade fair in Munich – from Monday 7th April to Sunday 13th April.

The iONTRON GridXpress, a powerful mobile charging station that has been specially developed to supply power to construction machines, ensures full autonomy and flexibility. The major benefit is that it ensures that there is always enough power available, even if the infrastructure on construction sites is inadequate. Thanks to its 128 kWh lithium-ion battery and various connection options, the GridXpress not only reliably supplies power to all iONTRON Putzmeister models, but also to other electrically powered machines and electric vehicles, in some cases even with a performance-enhancing effect. With the power bank trailer, it is also possible to reduce the total CO₂ emissions for site use to zero, depending on the local electricity mix. And after use, the electric vehicles in the company fleet can even be conveniently charged.

Innovative response to emissions standards

Whether in inner-city areas or residential areas – construction machine operators are increasingly faced with the challenge of having to work in compliance with emissions and noise protection regulations. Putzmeister offers an extensive product range of electrically powered construction machines for this purpose – the iONTRON family. The GridXpress iONTRON is the perfect solution to ensure that power is always reliably available, even for large-scale jobs: With its 128 kWh lithium-ion battery, it supplies enough power for autonomous working without any additional external energy sources, regardless of whether it is connected to a 125 A or 63 A plug – and,

unlike a diesel generator, it does this silently. Charging is quick and easy via the CEE plug (125 A) or, if rapid charging is required, using the CCS2 plug (120 kW).

Concentrated power in a compact package

Despite its high performance, the GridXpress iONTRON remains transportable and flexible. With a gross weight of just 3.5 t and a two-axle trailer, it can be easily transported on a car or light commercial vehicle.

Key component for emission-free and efficient working

The GridXpress fits perfectly into the iONTRON range – from the iONTRON BSF truck-mounted concrete pump with S transfer tube and the iONTRON BSA 1005 trailer concrete pump with S transfer tube through to the fully electric truck mixer, the INSTATIQ 3D printer and many more. The best part is that thanks to the mobile charging station, all-electric construction machines, particularly truck-mounted concrete pumps, can offer even more output or power with the help of the 125 A, 63 A or 32 A connections – while simultaneously charging and pumping. The battery capacity of the machine itself is therefore no longer the decisive factor – and the question of weight has also been answered.

About the Putzmeister Group

The Putzmeister Group develops and produces machinery of high technological quality in the fields of concrete conveying, truck-mounted concrete pumps, stationary concrete pumps, placing booms and accessories, plant technology, conveying industrial high-density solids through pipes, concrete spraying and transport in tunnels and below ground, mortar machines, plastering machines, screed conveying, injection and specialist applications. Market segments are the construction industry, mining and tunnel construction, major industrial projects, power and sewage treatment plants as well as waste incineration plants worldwide.

The company is based in Aichtal, Germany. With over 4000 employees, the company achieved a turnover of 1 billion euros in the 2023 financial year.

Image 1: The mobile charging station iONTRON GridXpress