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Latest ABB charging solutions for smart mobility

ABB leads the future to zero emission mobility with smart, reliable, and emission-free electric vehicle charging solutions. The technology leader displayed its world-leading AC and DC charging portfolio at the Smarter Mobility Africa Summit from 1 to 3 October 2023 at the Gallagher Convention Centre in Midrand.

The summit addressed key challenges and solutions in African mobility, from governance to electrification, and featured presentations, panel discussions, and other exciting features that enhance the integration of all the technologies and solutions on offer. The event gathered leading experts, government officials, global mobility influencers, and transport professionals in its fifth consecutive year.

Transportation accounts for nearly 24% of all global CO2 emissions. More than 75% of that is road transportation, including cars, trucks, and motorbikes. Passenger cars alone account for 60% of global road transportation emissions. E-mobility, paired with renewable energy generation, can significantly lower global CO2 emissions, helping us achieve emission targets, reduce pollution and noise, and improve our health and comfort.

The Terra 54 50kW unit was also under the spotlight, which has served ABB well for the last few years with its modular design. The Terra 124 was showcased, the most versatile, powerful and compact all-in-one high power charging station that allows charging network operators to quickly rollout their charging station rollout.

Designed around the needs of today’s EV requirements, it is fully field upgradable to 180kW to meet the needs of tomorrow faster. Compact and scalable, it represents high-power charging innovation from ABB that brings more charging power to urban locations. Visitors will get to experience ABB’s AC and DC wall boxes on its stand.

The Terra 360 charging solution included a video presentation to give visitors insight into the latest technology from ABB. “Our latest Terra 360 is the world’s most powerful and compact all-in-one high power charging solution. Not only does it allow charging network operators to deploy fast charging stations, it accelerates the transition to future e-mobility,” says Product Marketing Director **Ettienne Delport**.

Looking to the future, the Terra 360 can charge up to 360kW and can charge four vehicles simultaneously at 90kW each. It features a brand-new design making the charger more ergonomic and modern. With its eye-catching design and intuitive user interface, the Terra 360 offers the end user an exceptional charging experience. What’s more, it supports the major charging standards, namely CCS-1, CCS-2, CHAdeMO, and AC Type-2.

A compact footprint enables quick, efficient installation of both the Terra 124 and 360 in any parking configuration. It enables easy frontal parking and charging, making it ideal for cities and shopping malls. It is a perfect fit for curb-side charging. Terra 124 and 360 from ABB can serve two parallel drive-through lanes simultaneously, with each side equipped with different charging standard outlets.

As battery technology advances, major truck and heavy-duty vehicle manufacturers are already releasing their line-ups of low-noise, low-carbon producing electric vehicles. However, these high-power vehicles need high-power infrastructure, with a strong focus on safety. ABB offers future-proof integrated charger and grid connection solutions that reduce installation costs while meeting the highest safety standards.

ABB is laying the foundations for a future of smarter, reliable, and emission-free mobility, accessible by everyone, everywhere. ABB offers a total EV charging solution from compact, high-quality AC wallboxes, and reliable DC fast charging stations with robust connectivity to innovative on-demand electric bus charging systems. We deploy infrastructure that meet the needs of the next generation of smarter mobility.

ABB Ability™ connected chargers enable fast global service and pro-active maintenance. ABB has years of experience in creating, installing, and maintaining charging infrastructure, including several nationwide charger networks.

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For more information, visit <https://e-mobility.abb.com/>

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