

Feyree Showcases Its Best Portable EV Charger from China at the Zhenwei Exhibition 2024

SHENZHEN, GUANGDONG, CHINA, August 16, 2026 /EINPresswire.com/ -- The Zhenwei Photovoltaic Storage and Charging Exhibition 2024 brought together manufacturers, distributors, and technology providers from across the renewable energy infrastructure sector. For procurement teams evaluating [portable EV charger](#) suppliers, the exhibition provided a direct comparison of engineering approaches — from basic control-box designs to chargers with integrated touchscreen interfaces, multi-sensor safety systems, and app-based remote management. Feyree's presence at the exhibition showcased the capabilities of its portable charger lineup, demonstrating how in-house engineering and certified production processes translate into a portable EV charger that addresses the requirements of distributors and OEM buyers seeking the best portable EV charger from a Chinese manufacturer.



Feyree Portable EV Charger Showcases at Zhenwei Exhibition

At the Zhenwei Exhibition 2024, Feyree presented its portable EV charger product line, highlighting several advantages over conventional portable charger designs:

Product design — the [Lion King Ultra series](#) features a 4.3-inch HD smart touchscreen, a rare interface configuration in the portable charger category. Six color options (Orange, Mystic Purple, Tech Grey, Fresh Green, Sleek Black, and Pure White) allow brand owners to differentiate product appearance across target markets.

Safety performance — dual-temperature sensors monitor heat levels at both the charging plug and the control box, automatically reducing power if overheating is detected. Type B residual current protection (AC 30 mA and DC 6 mA) covers both alternating and direct fault currents,

meeting the same protection standard specified for fixed wallbox installations.

Materials and cable quality — the charging cable uses 99.95 percent pure copper conductors, TÜV-certified TPU insulation that maintains flexibility at low temperatures, and silver-plated connector pins (5 micrometers coating) for corrosion resistance across thousands of insertion cycles.

Brand customization and partnership flexibility — Feyree's OEM program supports hardware branding, mobile application interface, packaging design, and firmware configuration through a single project channel, enabling distribution partners to launch their own branded portable charging products without building manufacturing infrastructure.



Lion King Ultra — Engineering a Better Portable Charger

Feyree's Lion King Ultra series represents a significant step forward in portable EV charger design. The unit features a 4.3-inch HD smart touchscreen with tempered glass panel, providing real-time display of charging current, voltage, power output, and session energy. The charger enclosure carries an IP66 rating for dust and water ingress protection and is tested for operation across a temperature range of -30°C to +55°C, covering the environmental conditions portable chargers encounter during travel and outdoor use. The charger supports remote control and monitoring through the Tuya Smart and Smart Life mobile applications, with OTA firmware updates that deliver new features and security patches without requiring physical access to the unit.

Safety Features That Define the Best Portable EV Charger

The safety architecture of a portable EV charger determines whether it can be used reliably across different environments without supervision. Feyree's portable charger design integrates protection layers that go beyond basic overload and short-circuit protection found in conventional portable units. The Type B residual current device (RCD) provides both AC 30 mA and DC 6 mA leakage detection, capable of identifying smooth DC fault currents that simpler residual current devices cannot detect. Dual temperature sensors are positioned at the charging plug and inside the control box, providing independent monitoring at two critical points. If either sensor detects temperatures exceeding safe operating limits, the charger automatically reduces power output or pauses charging until conditions normalize. The enclosure materials meet UL94

V-0 flame-retardant standards, ensuring that internal components are housed in a self-extinguishing enclosure in the event of an electrical fault. These safety features collectively distinguish Feyree's portable charger from basic designs that rely solely on circuit breaker protection.

Materials and Cable Quality

The physical durability of a portable EV charger is determined by its cable and connector quality. Feyree's portable chargers use 99.95 percent pure copper conductors, a purity level that minimizes resistive losses and heat generation compared to standard-grade copper cables. The cable jacket is TÜV-certified TPU (thermoplastic polyurethane), which remains flexible at low temperatures for easy handling while resisting UV degradation and abrasion during daily use. The connector pins are silver-plated to 5 micrometers, providing low-contact resistance and corrosion resistance across repeated insertion cycles. The standard 5-meter cable length accommodates most parking configurations, and adjustable current settings from 8 A to 16 A (11 kW version) allow the charger to work with different circuit capacities. Connector variants cover Type 2 (European standard), Type 1 (J1772), NACS (Tesla), and GB/T (Chinese standard), enabling a single portable charger platform to serve multiple markets.

OEM Opportunities for Portable Charger Distribution

For distributors and brand owners evaluating portable EV charger suppliers at the Zhenwei Exhibition, Feyree's OEM and ODM service model presented a practical pathway to launching a branded portable charging product line. The four-stage process — consultation and requirements analysis, in-house design and prototyping, third-party certification coordination, and production with after-sales support — allows partners to bring products to market without building their own manufacturing infrastructure. Customization options extend beyond hardware branding to include mobile application interface, packaging design, and firmware configuration, all managed through a single project channel. Products are backed by a two-year warranty covering core components. The combination of Feyree's engineering capability and OEM flexibility means that distribution partners can offer a portable charging solution with the same technical specifications as Feyree's branded units, differentiated through their own brand identity and market positioning.

For distributors evaluating the best portable EV charger from a Chinese manufacturer, the technical indicators that distinguish engineering depth from basic assembly are measurable: a 4.3-inch touchscreen interface, IP66-rated enclosure with -30°C to +55°C operating range, Type B residual current protection, dual-temperature monitoring, OTA firmware updates, and cable assemblies with 99.95 percent pure copper and TÜV-certified TPU insulation. Feyree's portable charger series incorporates each of these indicators into its design, supported by in-house R&D, certified production processes, and a structured OEM program for distribution partners.

Product specifications and partnership inquiries can be directed through the official website:

<https://www.feyree.com/>.

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