

Portable EV Charger Maker Feyree Highlights OEM Capabilities at Zhenwei Charging Expo



Shenzhen, Guangdong Aug 27, 2026 ([Issuewire.com](https://www.issuewire.com)) - The portable EV charging segment has grown from a travel accessory to a primary charging solution for many EV owners who rent homes, park

in shared garages, or need charging flexibility across multiple locations. As the Zhenwei Photovoltaic Storage and Charging Industry Exhibition brings together manufacturers, distributors, and technology providers across the solar, energy storage, and EV charging ecosystem, portable EV charger manufacturers that exhibit genuine engineering depth — rather than assembled components from multiple suppliers — attract the most sustained procurement interest. The 2024 edition of this exhibition provided a platform for suppliers to demonstrate not just finished products but the manufacturing capability behind them.

Zhenwei Exhibition as an Industry Platform

The Zhenwei Photovoltaic Storage and Charging Industry Exhibition serves as a dedicated gathering for the renewable energy infrastructure sector, covering solar photovoltaic generation, battery storage systems, and electric vehicle charging equipment under one event. For distributors and procurement teams evaluating portable EV charger manufacturers, the exhibition offers direct access to production knowledge that is difficult to assess through online catalogs or specification sheets alone. Feyree's presence at the exhibition highlighted several measurable aspects of its manufacturing capability: In-house engineering covering PCB design, firmware development, and industrial enclosure prototyping under one team, reducing reliance on external design vendors and shortening development timelines. Production processes that include automated SMT assembly lines, systematic aging tests, and final quality control inspection before shipment.

A certified product portfolio with CE, TÜV, RoHS, and FCC approvals — verifiable through accredited third-party laboratory documentation.

OEM and ODM flexibility that allows brand owners to customize hardware branding, mobile application interface, and packaging through a single project channel.

Engineering Depth in Portable EV Charger Design

Portable EV chargers face design challenges that differ from fixed wallbox installations. The enclosure must be compact enough for frequent transport yet robust enough to withstand outdoor exposure, temperature extremes, and repeated handling. The electronics must deliver stable current output while managing heat dissipation in a sealed enclosure. Feyree's portable charger product line reflects 100 percent in-house R&D, with the engineering team managing PCB layout, firmware architecture, and industrial enclosure design internally. The portable units integrate Type B residual current protection (AC 30 mA and DC 6 mA) — the same protection level specified for fixed wallbox installations — ensuring that portable charging does not compromise on electrical safety. The enclosures carry IP66 ratings for dust and water ingress protection, and the units are 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.

Lion King Ultra — Touchscreen Innovation in Portable Charging

Feyree's [Lion King Ultra series](#) represents a significant step forward in portable EV charger interface design. The unit features a 4.3-inch HD smart touchscreen — a form factor more commonly associated with fixed wallbox units than portable chargers — providing real-time display of charging current, voltage, power output, and session energy through a tempered glass panel. The charger is available in multiple color options, allowing brand owners to differentiate their product appearance across target markets. Dual-temperature sensors monitor heat levels at both the charging plug and the control box, automatically reducing power if overheating is detected. Remote OTA firmware updates ensure that units in the field receive new features and security patches through the Tuya Smart or Smart Life mobile application. Detailed specifications for the Lion King Ultra series are available at the [Feyree Lion King](#)

[Ultra product page.](#)

Manufacturing Infrastructure Driving Product Reliability

The reliability of any portable EV charger manufacturer's products is determined by the production infrastructure behind them. Feyree's facility operates automated SMT assembly lines that place and solder surface-mount components with consistent quality, followed by systematic aging tests that simulate sustained load conditions before units proceed to final QC inspection. The charging cable assembly in these portable units uses 99.95 percent pure copper conductors to minimize resistive losses, a TÜV-certified TPU jacket that remains flexible at low temperatures while resisting UV exposure, and silver-plated connector pins (5 micrometer coating) for corrosion resistance across repeated insertion cycles. While specific factory dimensions are not published, production capacity is documented through order fulfillment records that demonstrate the ability to scale output to meet volume requirements. These material and process specifications provide procurement teams with verifiable quality indicators that go beyond product datasheet claims.

Meeting OEM and Distribution Partners at the Exhibition

For brand owners and distributors attending the Zhenwei Exhibition, Feyree's OEM and ODM service model presented a practical pathway to launching a branded EV charging product line. The four-stage process — initial consultation and detailed requirements analysis, in-house design and prototyping, third-party certification coordination, and mass 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 documentation, all managed through a single project channel. Products are backed by a two-year warranty covering core components. For partners evaluating portable EV charger manufacturers for custom programs, the ability to integrate branding, firmware, and packaging through a single channel reduces time to market significantly. Partnership inquiries can be directed through the [official website](#). For distributors and fleet operators evaluating portable EV charger manufacturers at industry events such as the Zhenwei Exhibition, the capabilities that distinguish a production-driven supplier from a trading company are increasingly measurable: in-house PCB design and firmware development, Type B leakage protection integrated into portable form factors, automated SMT production lines with documented QC protocols, and OEM flexibility that extends from branding to firmware-level customization. Feyree's presence at the exhibition — anchored by the Lion King Ultra's IP66-rated, dual-temperature-monitored design — offers procurement teams a concrete reference point for each of these evaluation dimensions. Product specifications and partnership inquiries can be directed through the official company website: <https://www.feyree.com/>.

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