

Ensuring Global Quality: XICHI Achieves CE Certification as a Trusted Soft Starter Exporter From China



Xian, Shaanxi Oct 22, 2026 ([Issuewire.com](https://www.issuewire.com)) - Can a single electrical component truly protect large-scale industrial motors while maintaining strict grid safety compliance across international boundaries? Industrial plant operators and system integrators frequently navigate this exact question when sourcing motor control equipment for infrastructure projects abroad. In municipal and heavy-industrial power distribution systems, direct-on-line starting of high-capacity induction motors creates massive electrical surge currents and violent mechanical torque shocks. These sudden stress factors accelerate mechanical wear on drive shafts, gearboxes, and fluid piping networks, while simultaneously inducing localized grid voltage drops. Addressing these operational challenges requires controlled soft starting devices built to rigorous international testing benchmarks. As modern industrial procurement practices increasingly emphasize certified hardware, [XICHI](#) has aligned its low-voltage motor control lineup with global market standards. Through systematic product verification and third-party testing, XICHI operates as a certified low-voltage soft starter exporter from China, supplying CE-marked motor controllers to engineering contractors across Europe, the Middle East, Southeast Asia, and more than thirty countries worldwide.

Harmonized Standards and EU Directives Behind the CE Marking

Securing the CE mark serves as a fundamental statutory entry requirement for electrical equipment marketed within the European Economic Area. The certification confirms that a product satisfies essential health, safety, and environmental protection requirements established by relevant European directives. For industrial motor controllers, CE compliance centers on two main statutory frameworks: the Low Voltage Directive 2014/35/EU and the Electromagnetic Compatibility Directive 2014/30/EU.

XICHI manufactures 380V-class low-voltage soft starters—including the CMC-LX, CMC-HX, CMC-MX, and XST260 series—that undergo evaluation against the harmonized international standard EN 60947-4-2. This standard specifies performance criteria for AC semiconductor motor controllers and starters. Under Low Voltage Directive testing, devices undergo systematic examination for dielectric strength, clearance and creepage distances, thermal dissipation limits, and insulation resistance. These evaluations verify that during startup voltage ramps, transient spikes, or continuous-duty operations, the equipment maintains structural integrity without risking operator safety or electrical fire hazards.

Simultaneously, compliance with the Electromagnetic Compatibility Directive requires each [low-voltage soft starter](#) unit to manage electromagnetic emissions and demonstrate resilience against external power disturbances. Solid-state motor starters utilize thyristor phase control to regulate terminal voltage, a process that inherently generates high-frequency electrical noise. Achieving EMC compliance under EN 60947-4-2 confirms that control circuitry engineered by Xi'an XICHI Electric Co., Ltd. incorporates effective filtering and shielding designs. This prevents conducted and radiated emissions from disrupting nearby sensors, programmable logic controllers, or digital communication networks. Consequently, the units maintain high immunity to electrostatic discharge, fast electrical transients, and voltage surges commonly encountered in harsh industrial environments.

Quality Assurance and Factory Infrastructure Supporting Compliance

Obtaining international certificates requires a solid factory quality framework and consistent manufacturing processes. Founded in 2002, XICHI maintains an integrated operational structure certified under ISO 9001 quality management, ISO 14001 environmental management, and ISO 45001 occupational health and safety standards. Rather than treating certification as a final inspection step, the manufacturer embeds quality controls throughout raw material sourcing, printed circuit board assembly, and final panel integration.

The company operates internal testing facilities, including specialized high-and-low-temperature thermal aging chambers and automated low-voltage electrical testing systems. Power electronic components undergo environmental stress screening to detect potential semiconductor flaws prior to assembly. Key product lines also hold national China Compulsory Certification alongside international marks, ensuring full compliance for both domestic and overseas projects.

To confirm technical specifications, Xi'an XICHI Electric Co., Ltd. works with accredited third-party testing institutions. Product lines have passed type testing at recognized laboratories, including the Suzhou Electrical Appliance Research Institute and the Xi'an High Voltage Electrical Appliance Research Institute. These independent tests evaluate short-circuit withstand ratings, thermal performance during frequent start cycles, and mechanical durability. This verified testing background provides clear technical proof for international buyers during vendor audits.

Practical Value for Overseas Engineering and Integration Projects

For global engineering contractors and system integrators, choosing a **low-voltage soft starter exporter** with valid CE certification brings immediate operational benefits. International industrial projects—such as municipal water pumping stations, HVAC systems, mining facilities, and petrochemical processing plants—must comply with strict local safety rules. Utilizing non-certified control components often leads to customs delays, mandatory field inspections, or project rejections by local safety authorities.

CE certification streamlines integration by providing standardized compliance documentation. When engineering teams install XICHI soft starters into power distribution cabinets, they can present valid declarations of conformity to project owners and municipal regulators. This documentation simplifies safety inspections, reduces local testing costs, and accelerates system commissioning.

Additionally, soft starter product lines designed by Xi'an XICHI Electric Co., Ltd. adapt easily to diverse job site conditions. The CMC-MX and XST260 series feature built-in bypass contactors, which simplify control cabinet layouts, lower thermal management requirements, and save installation space. The devices offer multiple starting modes—such as current-limit start, voltage ramp start, and programmable

kickstart—allowing field technicians to match starting torque to specific load types like centrifugal pumps, heavy crushers, or industrial fans. Built-in digital communication protocols, including Modbus-RTU, enable direct connection to distributed control systems and factory automation networks.

Compliance as the Foundation for Industrial Trade

In global industrial automation, technical compliance serves as the baseline for successful project execution. As safety regulations and energy management standards become more stringent, certified hardware ensures that equipment performs safely under field conditions.

The engineering approach of XICHI shows how structured manufacturing processes and independent testing build confidence in international trade. By maintaining ISO-certified quality management and securing CE certification across core product series, the company provides system integrators with dependable motor control equipment. Technical teams and procurement managers can find detailed product specifications, CE declarations, and selection guides on the official website:

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



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