Future Leading Switchgear Exporter FARADY: What Sets Our Technology Apart

YUEQING, ZHEJIANG, CHINA, January 8, 2026 /EINPresswire.com/ -- As global electrical infrastructures shift toward decentralized energy architectures and digitalization, Farady Electric has announced a significant strategic expansion of its smart distribution asset portfolio. Established as a Future Leading Switchgear Exporter, the organization specializes in designing advanced medium-voltage Ring Main Units (RMU), metal clad switchgear assemblies and automatic circuit reclosers. Switchgear products serve as primary controls and protection mechanisms for electrical networks, designed to regulate power flow, isolate electrical faults, and ensure both personnel safety as well as the grid infrastructure's safety. Intelligent terminal units (DTU/FTU) combined with vacuum-based interruption technology from this company address the critical need for automated switching solutions that can handle bi-directional renewable energy inputs in an effective and timely manner.

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ASTA CERTIFICATE OF TYPE TEST

Project No: SHA539667 **Certificate No:** ASTA-TYPE-000900

Applicant: FARADY ELECTRIC CO., LTD
Xiangyang Industrial Zone, Liushi Town, Yueqing, Wenzhou City, Zhejiang Province

Apparatus: A three-phase, 26.66/20 MVA, ONAF/ONAN, (33000±8×1.25%) / 11000 V (U_r), 50 Hz, Dyn11, oil type transformer. The high voltage winding has 17 taps and the principal tap is tap 9.

Manufactured By: FARADY ELECTRIC CO., LTD
Xiangyang Industrial Zone, Liushi Town, Yueqing, Wenzhou City, Zhejiang Province

Test Report No: 21M0522-S

Designation: SFZ11-26660/33

The apparatus which is representative of the designation, supplied drawings and photographs has been evaluated in accordance with:

IEC 60076-1: 2011	Clauses 11.1.2.1 i), 11.1.3 d), 11.1.3 e), 11.1.4 c), 11.1.4 d), 11.1.4 h), 11.1.4 n), 11.2 to 11.5, 11.7, 11.8 and 11.12
IEC 60076-2: 2011	Clauses 6 and 7
IEC 60076-3: 2013+A1: 2018	Clauses 9, 10, 11.2 and 13.3
IEC 60076-5: 2006	Clause 4.2
IEC 60076-10: 2016	Clauses 11 and 12

and the STL Guide to IEC 60076 Issue 6.0, 1st June 2019, where applicable

The results are shown in the record of tests attached hereto. The values obtained and the general performance is considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated on the ratings page(s) of this Certificate. This Certificate applies only to the apparatus tested. Responsibility for conformity of any apparatus having the same or other designations rests with the Manufacturer.

UKAS PRODUCT CERTIFICATION
0010

Certification Engineer

Certification Officer

19th April 2021 Date

Part I: Global Grid Evolution: Industry Prospects and Strategic Trends

The global electrical infrastructure sector is currently experiencing its most profound structural transformation since the birth of the centralized high-voltage grid. Driven by decarbonization and grid resilience imperatives, industry professionals are witnessing a transformation from passive hardware to active

distribution assets - particularly solar and wind generation becoming more central components in national grids; as demand for switchgear with sufficient frequency stability and robust fault protection has skyrocketed.
There are a few key trends defining the industry's trajectory over the coming decade. One is to move away from using SF6 gas--an immensely potent greenhouse gas commonly used for insulation--in favor of more sustainable technologies like vacuum-based interruption and solid insulation technologies. This shift can be seen most clearly in European and North American markets, where stricter environmental regulations are prompting substation architecture redesign. Second, the "Internet of Energy" (IoE) has led utility providers to opt for switchgear that incorporates Intelligence Electronic Devices (IEDs). IEDs enable real-time diagnostics and predictive asset management capabilities allowing utility providers to identify thermal or mechanical issues before they cause systemic breakdowns.
As digital infrastructure, such as hyperscale data centers and electric vehicle (EV) charging networks, continues to proliferate, the need for high-density, reliable power systems has grown steadily. Urbanization in emerging economies is further driving this demand, driving compact space-saving configurations such as Gas-Insulated Switchgear (GIS). GIS units feature significantly lower physical footprint and greater environmental protection compared to traditional air-insulated systems; making them the go-to choice in dense urban areas and sensitive indoor environments where real estate space is at a premium and safety is paramount.

Part II: Validation of Excellence through Global Certification Standards
Farady Electric is proud to have achieved global leadership through an array of international certifications that validate its safety, performance and reliability of distribution equipment. These credentials serve as a technical "quality passport", guaranteeing that its products meet the stringent requirements set by national utility operators across more than 86 countries worldwide.
KEMA Labs: Transformers and Switchgear for Critical Infrastructure | KEMA Laboratories (CESI Labs) The organization's high-voltage equipment, including oil-immersed power transformers and switchgear, have undergone rigorous type testing at KEMA Labs (the Testing and Certification Division of CESI). KEMA certification is widely considered the gold standard in power industry applications such as short circuit withstand testing, dielectric testing, short-circuit current withstand testing as well as short-circuit current testing; by successfully passing these tests at KEMA laboratories located in Netherlands KEMA has proven that its assets can stand up under extreme electrical stresses providing long-term reliability for critical grid infrastructure assets.
UL(Underwriters Laboratories): For North American and international markets, an organization holds Underwriters Laboratories certification. This credential specializes in product safety and mechanical integrity testing protocols designed to evaluate switchgear and transformer compliance with fire safety, electrical hazard and environmental performance standards. Possession of the UL mark allows the organization to participate in large infrastructure projects in both North America and other regions which prioritize rigorous safety audits.
ASTA (Intertek) The ASTA Type Test Certification program from Intertek serves to independently

and third-party verify equipment performance against international IEC standards. This certification is particularly vital when engineering custom-engineered switchgear solutions; ASTA Type Test Certification ensures each design iteration maintains the necessary breaking capacity and temperature-rise limits required by modern industrial facilities.
CNAS (China National Accreditation Service) Complementing these international marks, the organization’s in-house testing capabilities are accredited by CNAS. As the national accreditation body in China, CNAS ensures that the company's internal laboratories operate in strict compliance with the ISO/IEC 17025 standard. This accreditation signifies that the organization's technical data and analysis are internationally recognized, allowing for high-precision quality control throughout the manufacturing lifecycle—from raw material inspection to final factory acceptance tests (FAT).

Part III: Technical Core Advantages and Global Project Milestones
Farady Electric was established in 2006 in Yueqing--known as "China's Electric Products Capital"--and has quickly established itself as an innovation-led enterprise. Their competitive edge rests upon nearly two decades of technical expertise combined with a 33,500 sq meter state-of-the-art production facility which allows them to successfully manage high volume international orders while still providing customized technical solutions.
Proven Track Record and Major Customer Cases: The organization’s reliability is evidenced by its successful track record in over 86 countries. It has established long-term partnerships with more than 40 public utility companies globally. Significant project milestones include:
Meralco (Philippines) & BPDB (Bangladesh): Supplying high-performance single-phase step voltage regulators to stabilize rural and urban distribution networks.
JIRAMA (Madagascar) & ANDE (Paraguay): Delivering distribution transformers and protection equipment for national grid modernization projects.
Strategic Infrastructure: Providing critical power components for the Karachi sea port substation in Pakistan and supporting grid expansion for SONELGAZ in Algeria and ENEO in Cameroon.

Conclusion: Engineering a Resilient Energy Future
Farady Electric continues to set new standards in the electrical industry by combining advanced manufacturing with technical innovation and globally recognized certification. As demand for more stable, efficient, and sustainable power grids increases, Farady Electric remains a trusted partner of utilities and industrial enterprises looking to optimize their infrastructure - its focus on high-quality materials, rigorous third-party testing procedures, localized engineering design ensure it remains at the forefront of global energy transition.
For more information regarding the full range of distribution solutions and technical services, please visit the official website: https://www.farady-electric.com/

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