



ENERGY... YOU CAN TRUST. “SAVINGS” YOU CAN SEE.

Cut your **Electric Bill**
from day one!



WHY? ZERA-ENERGY

Our company specializes in power savings and energy efficiency. With proprietary technology and years of research and development, we deliver innovative solutions for improving power quality.

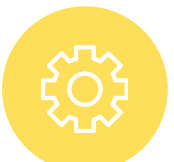
Our mutual induction reactor-type power saving device, validated through domestic field data, has been exported to multiple countries. It is recognized across industrial, commercial, and public sectors for reducing electricity costs and improving system reliability.

With certifications and patents, we guarantee the reliability, eco-friendliness, and originality of our technology.

- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO 45001: Occupational Health and Safety Management Systems
- 3 Patents of New Technology Granted, 2 Patents Filling (AI Based)
- CE, FCC, KC Certificates



OUR COMMITMENT TO SUSTAINABILITY

- 2025**  2 patent applications, 2 Patents Filling (AI Based)
4 trademark applications
- 2019**  TC Certification from
the Korea Testing Laboratory
- 2017**  Obtained European
CE certification
- 2014**  New product launches for home,
commercial, and industrial use
- 2012**  The first energy-saving specialized company
registered in the domestic industry
- 2011**  Patent registration for smart voltage
stabilization and overall electricity
distribution using it
- 2007**  Obtain Q-MARK
- 2003**  Development of an electricity-saving
device using patented technology

TECHNICAL PRINCIPLES

MUTUAL INDUCTION REACTOR TYPE POWER SAVING DEVICE

- **Mutual Induction**

Using two or more coils to share a magnetic field and generate an induced current, the load current is compensated. This process reduces reactive power and minimizes power loss.

- **Power Factor Correction**

A low power factor increases reactive power in the electrical circuit, resulting in power loss. Mutual reactors offset reactive power to maximize active power utilization.

- **Harmonic**

Reduce harmonics present in the power grid, minimizing negative impacts on electrical equipment. Prevent equipment trips, overheating, and noise. In result, Life span of equipment expanded.



PRODUCT FEATURES



Power factor improvement

Maximize Electricity Cost Savings



Harmonic Suppression

Facility Protection and Power
Quality Improvement



Reduced power loss

Preventing Unnecessary
Energy Waste



voltage stabilization

Maintaining power quality
during peak loads



Extending equipment life

Minimize overload and
heat generation



Eco-friendly effect

Reducing carbon emissions and
contributing to ESG management



PRODUCT AREAS



Home use

- Optimized for small power consumption
- Optimized for capacity and size
- Easy to install

Apartments, houses, small offices



Commercial

- Optimizing mid-sized power usage
- Focusing on air conditioning, lighting, and refrigeration equipment
- Peak load management

Convenience store, supermarkets, hotels, hospitals, coffee shop



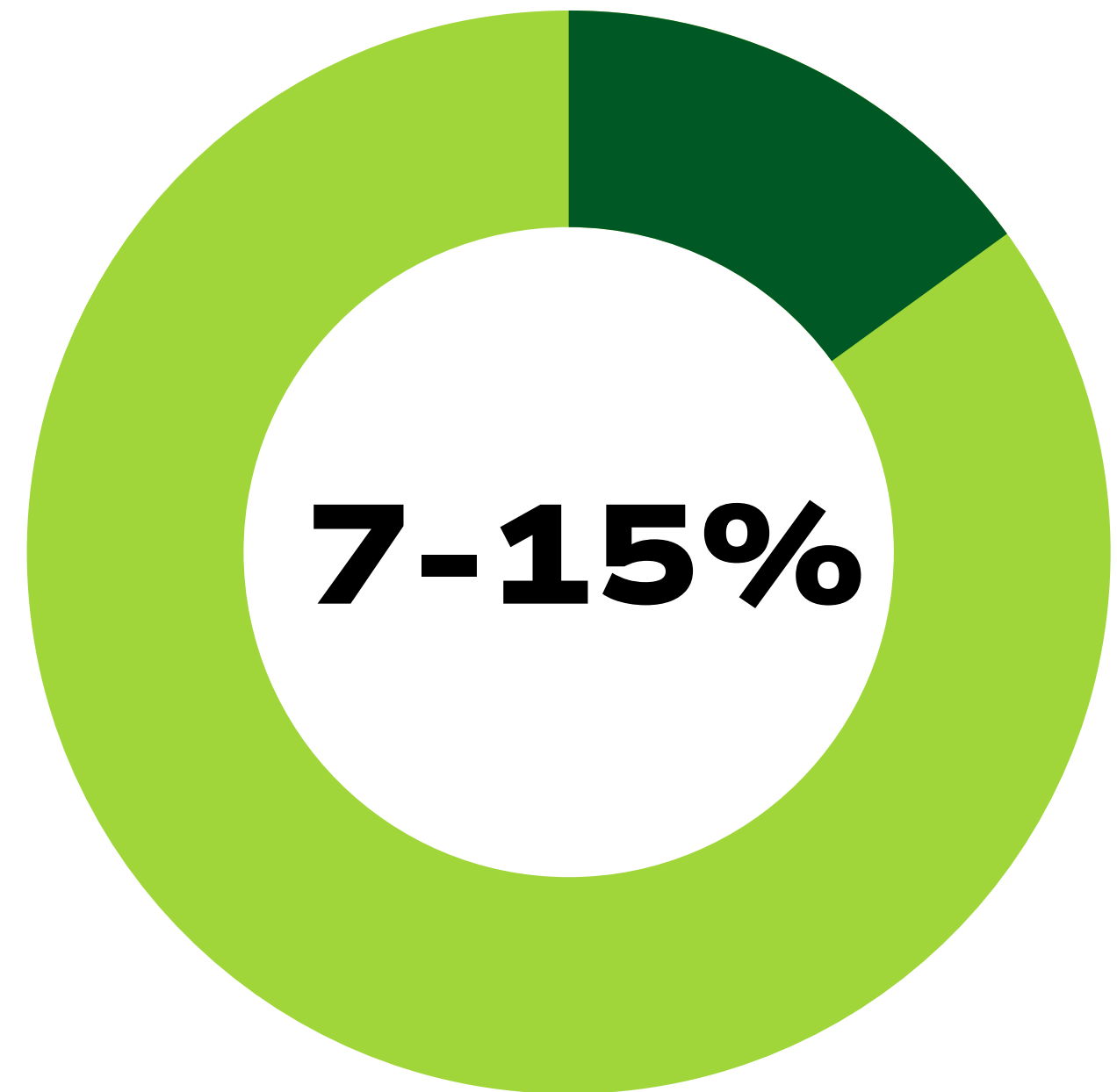
Industrial

- Optimizing large-scale power usage
- Focusing on industrial equipment such as motors, compressors, cooling and heating system
- Responding to high-load environments

Factories, manufacturing plants, and large industrial facilities

EXPECTED EFFECT

- Reduces power consumption by 7–15% by blocking excess power and improving the efficiency of electrical equipment. (Progressive rates apply) On-site savings of up to 10–30%.
- Reduces load current, preventing overload-induced power outages and ensuring surplus power for electrical equipment.
- Significantly stabilizes input voltage fluctuations, preventing damage to electrical equipment and extending its lifespan.
- Reduces harmonics, improving power quality and reducing power consumption.
- Improves power efficiency by improving backflow.
- Prevents insulation breakdown of electrical equipment caused by surges, protecting electrical equipment and extending its lifespan.



Electricity Saving rate

TECHNOLOGICAL EXCELLENCE

Valuation Date | 2025-10-25

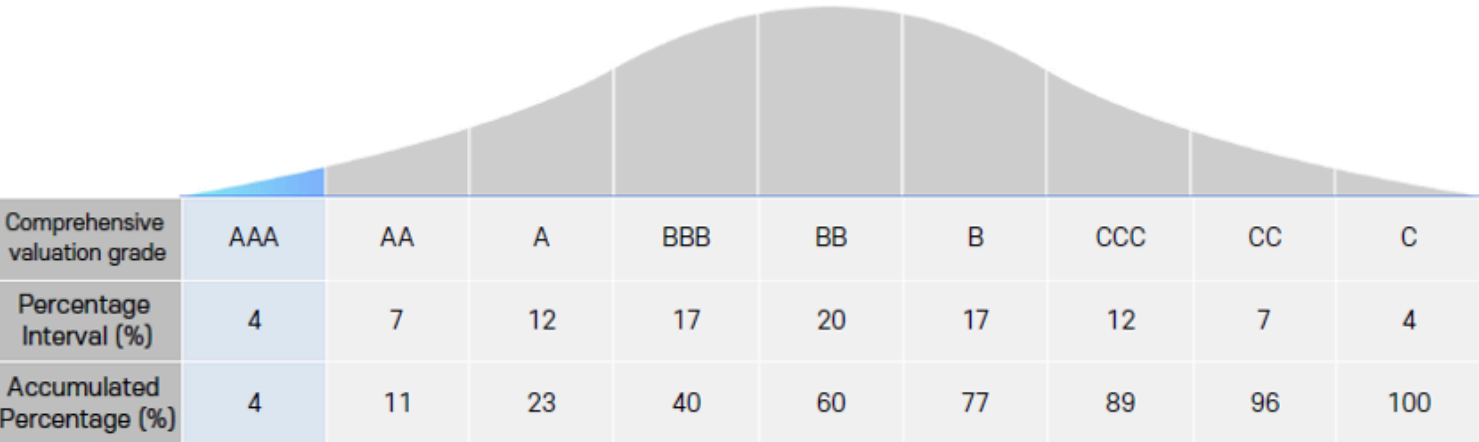
Korea Patent Valuation Report(Summary)

[General Review]

Patent No. 10-1059525, "APPARATUS FOR STABILIZING VOLTAGE AND ELECTRIC DISTRIBUTION BOARD BOX..." evaluated as AAA grade(upper 3.3% level) by the comprehensive valuation in the "electric/electronic/IT" technology patent .IP Right index might be on the highest level to maintain the exclusive position at patent dispute with the 3rd party in the relevant technical field. The technology Value index might be on the average level to lead or accord with the tendency to technology in the relevant technical field. Usability index might be in the highest level of business use degree and possibility.



[Grade Distribution]



※ For the whole patent in the technology field registered currently, valuation grade grants by the above percentage.

[Valuation Index Grade]

Valuation Index	Rights	Technology	Usability
Grade	AAA	BB	AAA

- Comprehensive Evaluation: Top 2.1%
- Rights: Top 1%
- Technology: Top 45.5%
- Usability: Top 0.1%



PATENT & CERTIFICATIONS



Patent No.
10-1059525



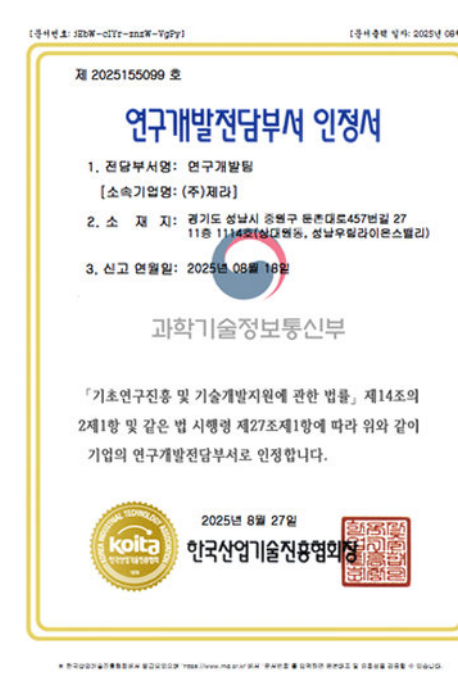
Patent No.
10-2413991



Patent No.
10-2425778



Product Liability Insurance
KRW 2 Billion Coverage



Dedicated R&D
Department



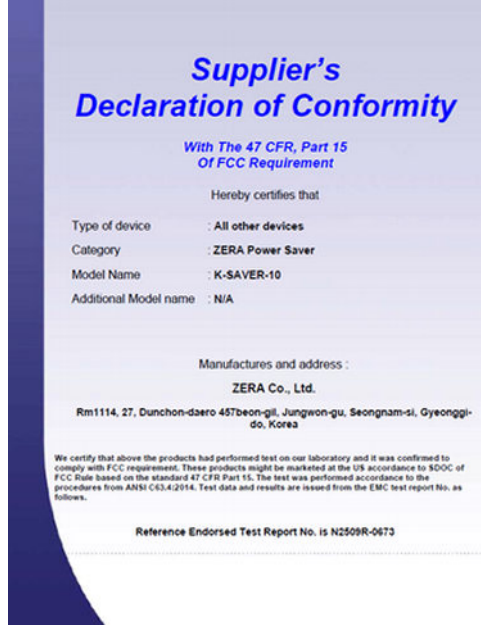
Venture
Enterprise



KC certification



European
certification



FCC certification



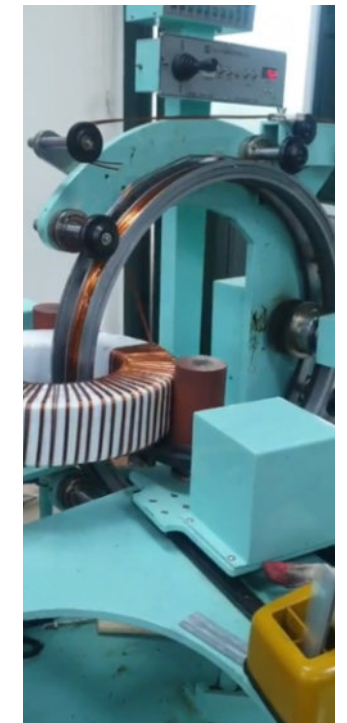
ISO 9001



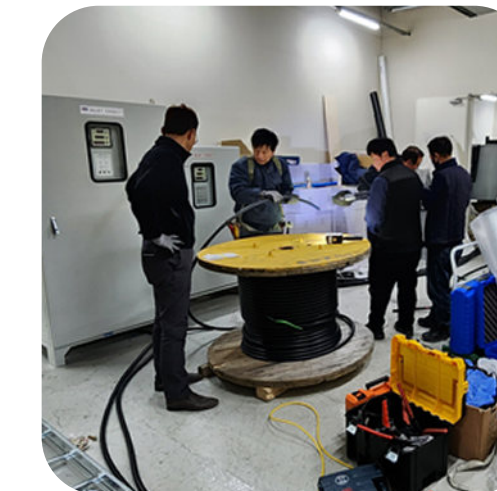
ISO 14001

ISO 14001

MANUFACTURING SPACE



INSTALLATION EXAMPLES



LOCATION OF INSTALLATION



E-Mart



Hanaro Mart



Uiseong County Office



Kibo Steel Co., Ltd.



Paradise Building



GS Mart



Hanwha Resort



Agricultural
Training Center



Hanjin Co., Ltd.



Tuno Golf Course



Mideum Agricultural
Cooperative



Administrative
Welfare Center



Iksan Agricultural
Technology Center



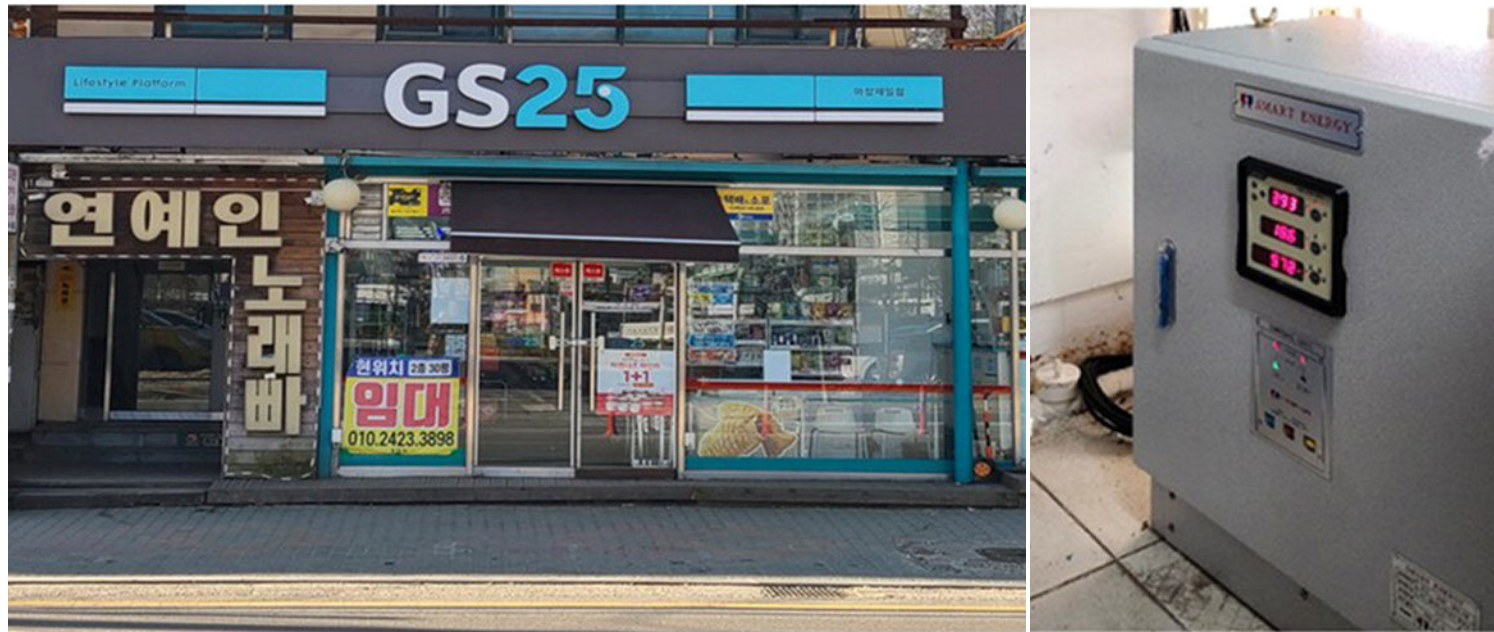
Golf Zone Park



Hyundai-Kia Motors
Namyang Research Center

INSTALLATION EXAMPLES

GS Mart Setup 30 kVA



Hanaro Mart Seongnam Branch 50 kVA



Agricultural Technology Center 60kVA



Hanjin Co., Ltd. 125kVA



INSTALLATION EXAMPLES

SNUH 130 kVA



M. Agricultural Cooperative 200 kVA



EGL Diamond Corp. 130 kVA



Kibo Steel 200 kVA



INSTALLATION EXAMPLES

Boryeong City Hall 300 kVA



Namseongdae Golf Range 450kVA



JS Corp. 300/500 kVA



Gunsan Country Club 450kVA



GET IN TOUCH

Reach out to Zera-Energy for expert guidance on real savings energy, verified more than 20 years in market.

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Factory



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