



INSTRUMENT TRANSFORMERS

Up to 800kV



765kV CT



Your Electric Power Transmission & Distribution Partner

About Us

Hunan Electric Power Insulator & Apparatus Co., Ltd.(SANDIAN for short) is subordinate to China Energy Engineering Group Co., Ltd.(CEEC) directly. SANDIAN is the leader manufacturer of high-voltage instrument transformers with top production scale, production capability and production value in China.

SANDIAN is a famous trademark in China.

SANDIAN is located in the famous "City of Porcelain"— Liling Hunan China. It takes 1 hour to arrive at Changsha International Airport. SANDIAN was established in 1950, through more than 50 years' development, it has become one of the most modernized manufacturers in Chinese Instrument Transformer field with the largest production scale, most advanced equipment and highest voltage level, it is also the first manufacturer which is capable to produce 765kV UHV products.

The main products of SANDIAN are 12~765kV oil immersed instrument transformers(CT, VT CVT), 36~550kV SF6 instrument transformers(CT, VT), and 12~765kV series insulators. More than 50,000 sets of high-voltage instrument transformers (72.5-765kV) have been sold to more than 30 foreign countries and many places in domestic of China.



gaoling 500kV DC-AC back-back converter station Northeast-North China Electric Grid Interconnection Project.
The biggest Substation of China; transmission capacity up to 3000MW
SANDIAN have supplied 154 Nos. of 500kV Cts, 49 Nos. of 500kV CVTs & 45 Nos. of 362kV Cts operating safely.



Accuracy & Safety

LVB**CT 36~765kV Oil-immersed Current Transformers**

Live tank type (or Head type), the secondary winding on the top of CT, Oil-immersed CT is applied for metering and protecting in 36~765kV HV electric power T&D system.

**LB****CT 36~550kV Oil-immersed Current Transformers**

Dead tank type (or Hairpin type), the secondary winding on the bottom of CT, Oil-immersed CT is applied for metering and protecting in 36~550kV HV electric power T&D system.



TYD**CVT 36~765kV Capacitor Voltage Transformers**

Capacitor Voltage transformers are designed in accordance with IEC, ANSI(IEEE), BS or other agreed standards.

**KEMA** **JDCF****PT 72.5~245kV Inductive Voltage Transformers**

Oil insulated voltage transformers are designed in accordance with IEC, ANSI(IEEE), BS or other agreed standards.

**Instrument Transform**

LVQB**CT 36~765kV Gas-insulated Current Transformers**

SF6 Gas-insulated CT is applied for metering and protecting in 36~765kV HV electric power T&D system.

**JDQXF****PT 72.5~550kV Gas Insulated Inductive Voltage Transformers**

SF6 Gas-insulated Voltage transformers are designed in accordance with IEC, ANSI(IEEE), BS or other agreed standards.



MV**CT, VT 12~40.5kV Epoxy Resin Cast, Oil Instrument Transformers**

MV Instrument transformers insulation level from 3.6 kV to 40.5kV outdoor use,

The transformers comply with IEC, ANSI(IEEE), DIN, BS, GOST, AS and other standards or with customer specific requirements.

**SANDIAN****Excellent Achievements**

SANDIAN is one of the leading manufacturer specialized in producing HV instrument transformer(72.5kV-765kV). There are more than 50,000 Nos. of 72.5kV-500kV high voltage instrument transformers(CT, PT, CVT) now operating in our state grid substations. At present, 500kV instrument transformers have occupied half of the Chinese market. And more than 6000 Nos. of 500kV instrument transformers are now operating in more than 120 500kV substations in China.

Accuracy & Safety**SANDIAN**



Liling City



Quality Assurance

The engineering technicians have abundant designing experience, and the workers and debugging personnel own exquisite technologies. In the past years, they have provided equipments of excellent performance, wide varieties and credible quality to customers from around the world.



Professional Manufacturer



Oversea Achievements

Our HV instrument transformers with voltage class 36kV-550kV have been exported to more than 30 countries such as India, Russia, Thailand, Bangladesh, Iran, Philippines, Indonesia, Laos, Vietnam, Nigeria, Congo, Mongolia, Pakistan, Ecuador and etc. We are willing to supply excellent quality products with competitive price to global HV and UHV Electric transmission projects and best service to global electric grid. Looking forward to beginning long-term friendship and cooperation with your company!

A Trust Worthy Business Partner For Your Company

Our success is based on a combination of key factors: competitive pricing, experimental research, state of the art technologies, on-time schedules, and most importantly, commitment and dedication from our employees to ensure your success!



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Looking Forward To Reaching Cooperation With You