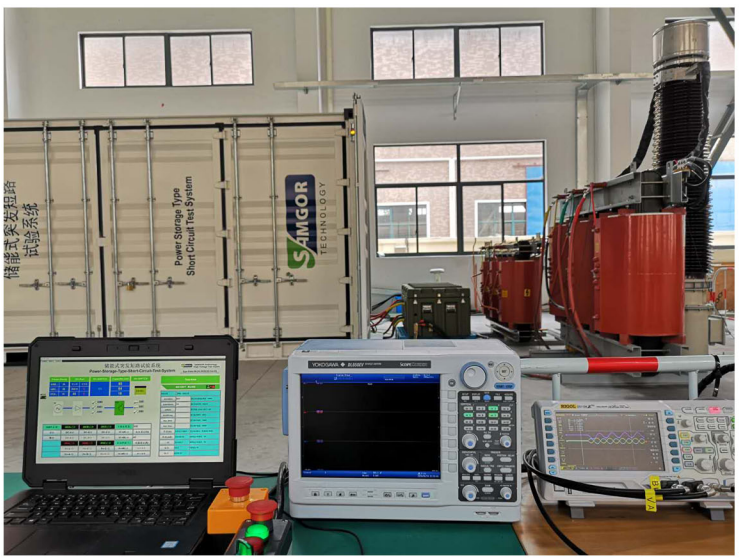
SEPS Energy Storage High Power Test System

General Introduction:

SEPS Series Energy Storage High Power Test System are self-contained test sets for high power testing without large capacity power grid support. Just typically using no more than 200kW as a charging power, the high-power test system can independently conduct the short circuit testing for power and distribution transformer, dynamical thermal stability testing for current instrument transformer and cable, short circuit current withstanding test and short circuit breaking / making capacity testing for circuit breaker and etc.

SEPS Series Energy Storage High Power Test System adopts high energy density DC energy storage and converter technology, which can generate huge power in short time for high power testing. It is completely isolated from the power grid, and it will not cause any impact on the power grid during whole the high-power testing, which also solve the problem of reliance on the large capacity power grid.



Benefit and Advantage:

◆ Compact, high power up to 300MVA for Single Module;
◆ Fully isolated with power network when system operating, no impact for the power network;
◆ Low cost compares to the traditional solution;
◆ Easy to achieve the waveform requirement according to the international standards requirement;
◆ Low charging power requirement, test gap less than 1 minutes;
◆ Long Life cycle, more than 1-million-time full power operation;
◆ Low maintenance requirement, major components no need maintenance in the whole life;
◆ Module design, easy to maintenance and upgrade in the future;
◆ Highly redundant design, even up to 20% core components fail, the system can still work;
◆ Easy installation, no need special civil construction;
◆ IP 54 Protection level, container bases design, easy for transportation;
◆ Air container built-in;
◆ Allow parallel working up to 3 units;
◆ Low noise and vibration;
◆ First class international components used, make the whole system reliable and stable;
◆ Allow to switchover the output between 3p, 2p, 1p;
◆ Fast over current or voltage protection, reduce the possibility of completely damaged or even exploded;

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