

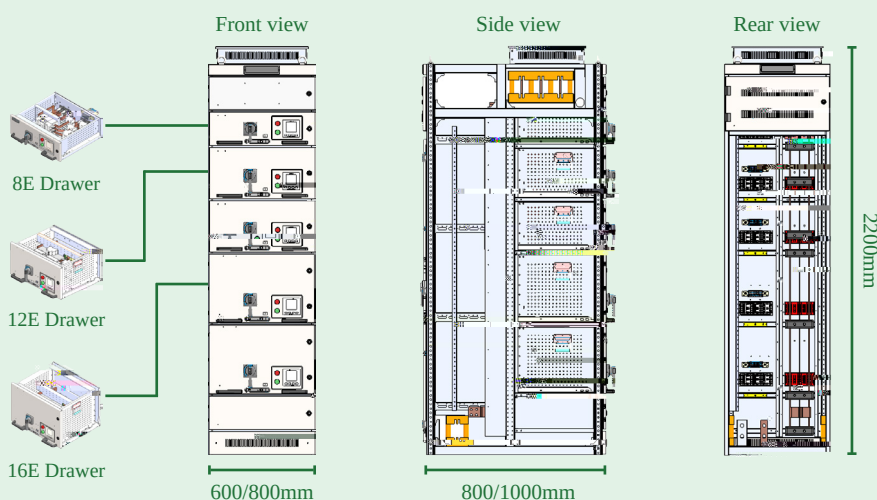


GCK3 Series Low Voltage Switchboard



Product description

The GCK3 series is a fixed switchboard equipped with pull-in cabinets. It has been widely used in many low-voltage power distribution projects for China's state-owned power grid companies.



Working environment

- Indoor use with altitude no more than 2,000 meters
- Ambient temperature: -5°C(min) to 40°C(max), daily average $\leq 35^{\circ}\text{C}$. If the temperature conditions cannot be met, the operation needs to be adjusted according to the actual situation
- The relative humidity should not exceed 50% at the maximum temperature of +40°C, and a higher relative humidity is allowed at lower temperatures, such as 90% at +20°C
- The switchboard is suitable for transportation and storage with temperature from -25°C(min) to +55°C(max), within a short period of time (not more than 24 hours) not exceeding +70°C
- Client should negotiate with the manufacturer if the above conditions cannot be met

Technical features

- Easy and safe operation: withdrawable units provide high level of safety for mechanics and enable quick replacement of supply units without having to shut down the entire switchboard
- Easy to modify (reconstruct and expand) and replace damaged units
- Compact design for optimum use of space, clear spatial and functional division

Parameter		Unit	Data
Rated voltage		V	380(400)
Rated insulation voltage		V	660(690)
Rated pulse-withstand voltage		kV	12
Overvoltage level		/	IV
Rated frequency		Hz	50
Horizontal busbar	Rated current	A	≤6,300
	Rated short-time withstand current	kA	≤100
	Rated peak withstand current	kA	≤220
Degree of protection (enclose)		/	IP 4X
Degree of protection (compartment)		/	IP 2X
Forms of separation		/	3a/3b
Modular interval		mm	25
Location of horizontal busbar		/	Upper
Pollution degree		/	III

Existing projects

- Hainan Power Grid 2023 office building low voltage switching rooms upgrade
- Power supply upgrade projects for industry parks in Nanshan, Longhua, Longgang, Bao'an and Guangming Districts in Shenzhen

All products can be customized. By the end of 2022, we have sold a total of 27,146 low-voltage switchboards (across four models).

Also, we are licensed partners of Siemens' SIVACON 8PT-3200A~1600A/65KA and SIVACON 8PT-6300A~4000A/100KA products. We used to be a licensed partner of Schneider's 4000A~1600A/80KA and 5000A~4000A/100KA low voltage switchboard. Depending on client needs, we could resume our partnership and certification.