

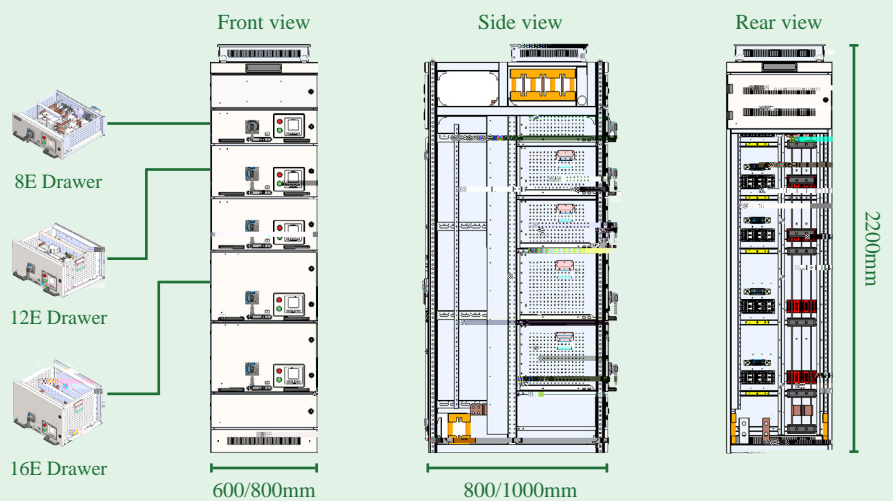


# GCK3 Series Low Voltage Switchboard



## 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:  $-5^{\circ}\text{C}$ (min) to  $40^{\circ}\text{C}$ (max), daily average  $35^{\circ}\text{C}$ . 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  $+40^{\circ}\text{C}$ , and a higher relative humidity is allowed at lower temperatures, such as 90% at  $+20^{\circ}\text{C}$

The switchboard is suitable for transportation and storage with temperature from  $-25^{\circ}\text{C}$ (min) to  $+55^{\circ}\text{C}$ (max), within a short period of time (not more than 24 hours) not exceeding  $+70^{\circ}\text{C}$

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.