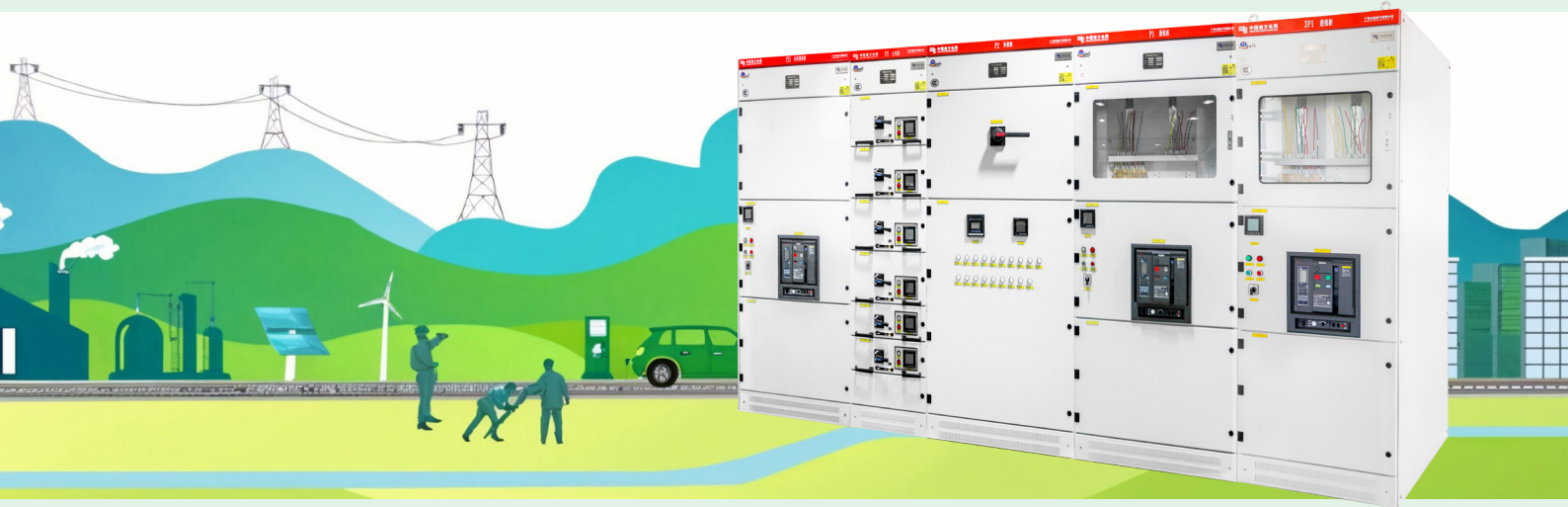


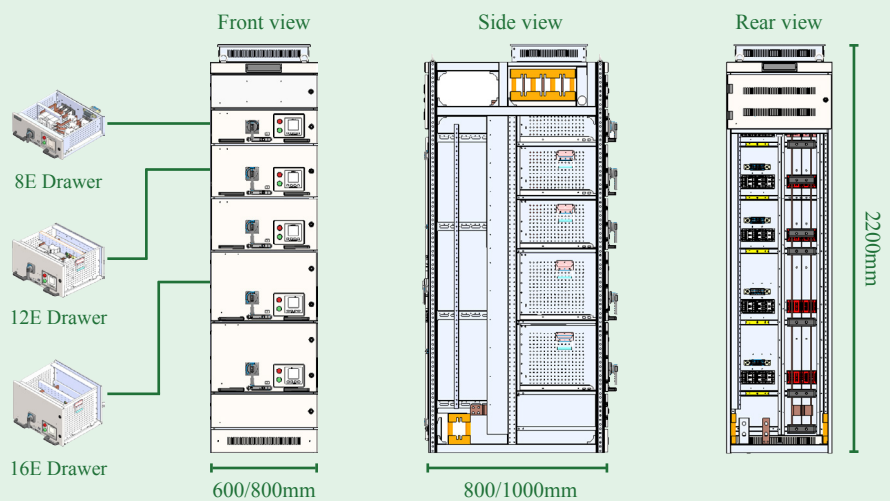


GCK3 Series Low Voltage Switchboard



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 temperate: $-5^{\circ}\text{C}(\text{min})$ to $40^{\circ}\text{C}(\text{max})$, 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 $+40^{\circ}\text{C}$, 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 $-25^{\circ}\text{C}(\text{min})$ to $+55^{\circ}\text{C}(\text{max})$, 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.