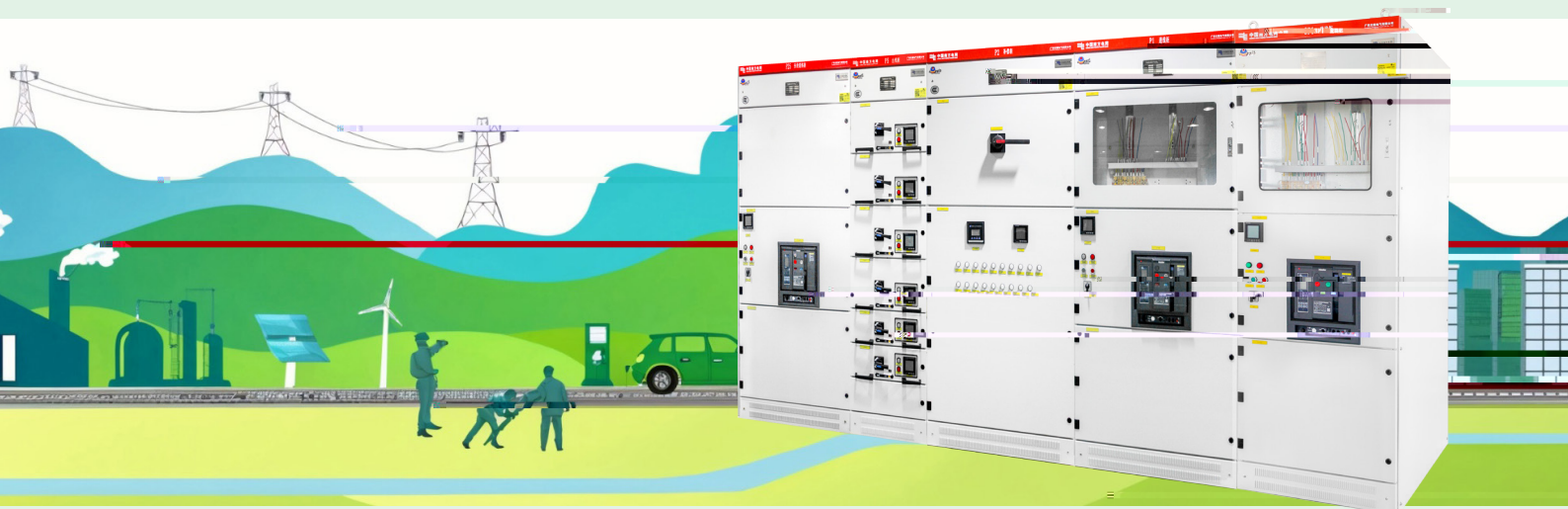


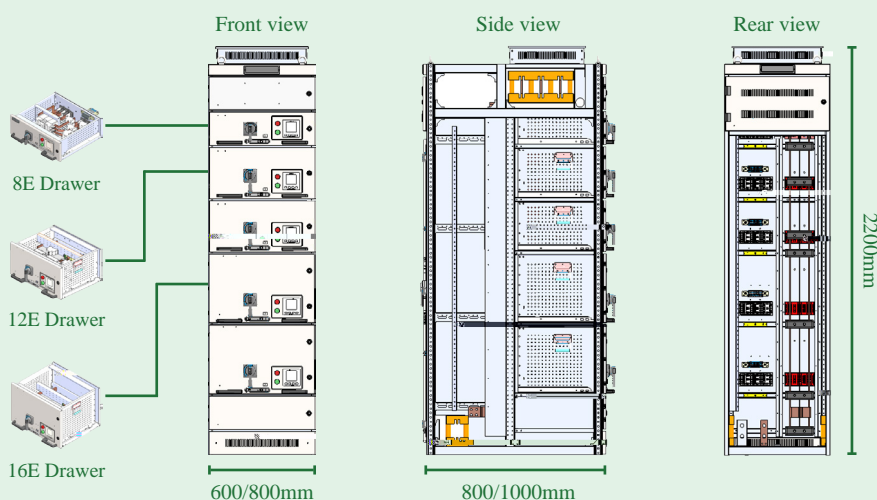


GCK3 Series Low Voltage Switchboard



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: $-5^{\circ}\text{C}(\text{min})$ to $40^{\circ}\text{C}(\text{max})$, daily average 35°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.