

## XL 21 series Low Voltage Power Switchgear

### ▶ Product Overview

The new type XL-21 power cabinet is widely used in power plants and industrial and mining enterprises as three phase AC 500V three-phase three wire, three-phase four wire, three-phase five wire power distribution system for power or illumination, indoor wall installation, front panel operation, front panel inspection; Cabinet is fully enclosed structure, by C a section or 8MF profile assembly. Cabinet inside adopts the new type rotary load isolating switch with load operation, front door installed ammeter, voltmeter and the signal lamp, button, selector switch and other components. The main distribution box adopts self-design of new components, compact structure, beautiful appearance, easy maintenance, a variety of wiring options for users to choose, it is an ideal alternative to the old XL-21 power cabinet.

The switchgear meet the requirements of standard IEC60439 etc.



### ▶ Service Conditions

1. Ambient air temperature:  $-5^{\circ}\text{C}\sim+40^{\circ}\text{C}$  and the average temperature should not exceed  $+35^{\circ}\text{C}$  in 24h.
2. Indoor altitude above sea level: Maximum installation altitude: 2000m.
3. Relative humidity should not exceed 50% at max temperature  $+40^{\circ}\text{C}$ . Higher relative humidity is allowed at lower temperature. Ex. 90% at  $+20^{\circ}\text{C}$ . But in view of the temperature change, it is possible that moderate dews will produce casually.
4. Installation gradient not exceed  $5^{\circ}$ .
5. The equipment shall be installed in a place where there is no violent vibration and impact, and the place where the electrical components are not corroded.
6. Any specific requirement, consult with manufacture.

### ▶ Technical Parameter

No	Name	Unit	Parameter
1	Main circuit rated voltage	V	AC: 380
2	Main circuit rated voltage	V	AC: 220, 380
3	Rated frequency	Hz	50/60
4	Rated insulation voltage	V	660
5	Rated current	A	800A

### ▶ Product Technical Features

1. Electrical properties are fully in accordance with the relevant provisions of GB 7251.1 and IEC 60439-1.
2. Feeder switch with small size, high breaking, short arc (or no arc) of the new type mold case circuit breaker and double tripping, which is equipped with overload, short circuit protection function, and can be added with the leakage protection function as per client requirement.
3. Motor circuit with overload, short circuit, under voltage, lack of phase protection function.
4. Auxiliary circuit with local, remote control function and local, remote automatic selecting function.

### ▶ Order Notice

An order contract contains the following:

1. The full model includes the main circuit and auxiliary circuit scheme;
2. Combinatorial sequence diagram of main circuit system;
3. Auxiliary circuit electrical schematic;
4. List of components in the cabinet;
5. Parameters such as voltage, current, time, etc.;
6. Other special requirements that do not conform to the normal use of the product.

