

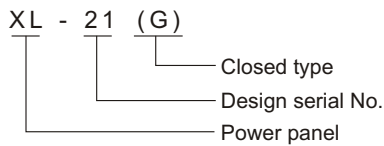
XL-21(G) Low Voltage Power Panel

Summary

XL-21(G)X LV closed type power panel can be used in AC 500V or lower system of three-phase three-wire, three-phase four-wire, three-phase five-wire for electricity-generating and mine enterprises, also for the purpose of power, lighting, distribution. XL-21(G) type low voltage power panel has flexible distribution scheme, convenient combination, good practical performance, new structure and etc.



Model



Structure feature

1. Main electrical performance shall completely comply with regulations of IEC60439-1:1992, GB7251.1-1997.
2. The auxiliary circuit has functions of local/remote, remote, automatic control and in-site/remote, remote control switch. The contactor can adopt DC protection.
3. Receiving main switch has optional protection of instant trip and pyromagnetic trip. Can cancel instant protection for matching next class main-switch, avoid skip-class tripping, and has functions of motor/manual operation and automatic switch.
4. Main switch of feeding circuit has protection of instant trip and pyromagnetic trip. Can add fault protection if customer required.
5. The motor control circuit has protection of short-circuit instant, overload, undervoltage release and phase-break.
6. Ammeter and voltage meter for incoming circuit.

Ambient condition

1. Altitude: $\leq 2000\text{m}$;
2. The indoor environment shall be non-ash, non-corrosion gas, and rainwater-proof;
3. Ambient temperature: $-25^{\circ}\text{C}\sim+40^{\circ}\text{C}$, the measured average temp. in 24 hours: $\leq 35^{\circ}\text{C}$; the temp. under storage and transportation condition: $-25^{\circ}\text{C}\sim+55^{\circ}\text{C}$, the temp. in short time $\leq 70^{\circ}\text{C}$;
4. Relative humidity under the highest temp. of 40°C : $\leq 50\%$;
5. No vibration and the oblique mounting angle: $\leq 5^{\circ}$.

Structure feature

1. XL-21(G) type low-voltage close type power cabinet, to be assembled with C type or 8MF type material. The frame and special parts will be supplied by our company in order to guarantee the accuracy and quality of cabinet. Other cabinet parts is designed according to scale principle with high generalized coefficient, and can fulfill production in advance.
2. Use removable height to connect cabinet door and frame, convenient installation and unloading.
3. The earthing of instrument door for electrical components installation adopts soft multi copper wire to connect frame. The installation parts in cabinet connect the knurled washer, the complete cabinet comprises the integrated earthing protection system.

Technical specification

No.	Item	Unit	Data
1	Main circuit rated voltage	V	AC:400
2	Auxiliary circuit rated voltage	V	AC:220,380
3	Rated frequency	Hz	50/60
4	Rated insulation voltage	V	660
5	Rated current	A	≤ 1250

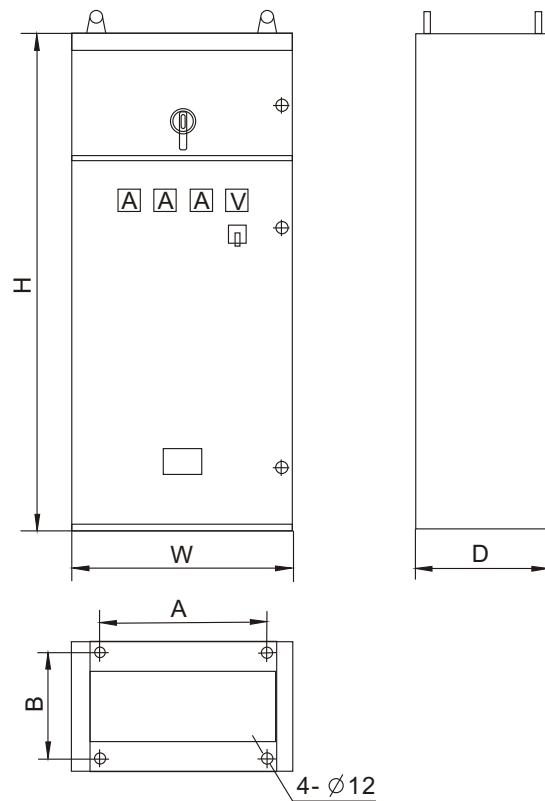
Outline and installation dimension

(mm)Table3

Height	Width	Depth	B × A Installation size(C type material)
1600	600	400	300 × 500
1600	600	600	500 × 500
1600	600	400	300 × 500
1800	600	600	500 × 500
1800	800	400	300 × 700
1800	800	600	500 × 700
2000	800	400	300 × 700
2000	800	600	500 × 700

Note: 1. The dimension of cabinet can be according to the diagram from customer.

2. The dimension showed in the diagram do not include the door and right-left board.



XL-21(G) Power panel outline mounting dimension