


LV Switchgear

GDF Low-Voltage Fixed-Compartment Switchgear

GDF low-voltage fixed-compartment switchgear is used in three-phase AC 50/60Hz systems rated 660V, up to 4000A, three-phase four-wire and five-wire — for receiving and distributing power. It is widely applied as the power distribution centre (PC) and motor control centre (MCC) in power plants, substations, industrial & mining enterprises and high-rise buildings.

TECHNICAL SPECIFICATIONS

Standard	GB 7251
Rated insulation voltage	AC 660 V
Rated working voltage	380 / 660 V
Rated frequency	50–60 Hz
Rated current — horizontal busbar	≤ 5000 A
Rated current — vertical busbar	630 / 1250 / 1600 A
Short-time withstand — horizontal / vertical	100 kA / 100 kA
Peak withstand — horizontal / vertical	175 kA / 110 kA
Functional-unit heights	220 / 440 / 660 mm
Enclosure protection	IP4X

NORMAL OPERATING ENVIRONMENT

- ▶ Indoor installation; altitude ≤ 2000 m
- ▶ Ambient temperature ≤ +40 °C, 24-hour average ≤ +35 °C, min ≥ –5 °C
- ▶ Clean air; relative humidity ≤ 50% at +40 °C (up to 90% at +20 °C)
- ▶ No severe vibration or shock; anti-seismic ≤ 8; install tilt ≤ 5°
- ▶ Free of dust, corrosive gas and rain ingress