

Product Overview

This series of low-voltage withdrawable switchgear is a combination cabinet type assembled by the factory using standard modules (FBA). This series of low-voltage withdrawable switchgear is suitable for power plants, substations, petrochemicals, metallurgical steel rolling, transportation energy, light industry and textile enterprises, residential areas, high-rise buildings and other places. It is used for the conversion, distribution and control of electrical energy in power systems with AC 50-60HZ and rated working voltage of AC 660V and below

This device complies with the national professional standards GB 7251.1 "Low voltage switchgear" and JB/T9961 "Low voltage withdrawable switchgear", as well as the international professional standard IEC 439-1

产品型号说明

M N S - □ - □

① ② ③ ④ ⑤

①	模块化、模数化
②	新型
③	系统
④	主电路方案编号
⑤	辅助电路方案编号

Usage conditions

Environmental temperature: The temperature should not exceed +40 °C, not be lower than -5 °C, and the average temperature within 24 hours should not exceed +35 °C; Atmospheric conditions: The air is clean, and the relative humidity should not exceed 50% at a maximum temperature of +40 °C. Higher relative humidity is allowed at lower temperatures, such as 90% at +20 °C, but temperature changes should be taken into account as condensation may occur accidentally

Altitude: not exceeding 2000m

This device is suitable for transportation and storage at temperatures ranging from -25 °C to +55 °C, and can reach +70 °C in a short period of time (not exceeding 24 hours). At these extreme temperatures, the device should not suffer any irreparable damage and should be able to function normally under normal conditions

If the above usage conditions cannot be met, they should be resolved through negotiation between the user and the manufacturer

Note: If ordering this product exceeds the above conditions, please consult with our company

基本技术参数

1. 电气性能		
额定绝缘电压	660V(1000)V	
额定工作电压	380V、660V	
主母线最大工作电流	5000A	
主母线额定耐受电流	100kA/1s	
主母线额定峰值耐受电流	220kA/1s	
配电母线(垂直母线)最大工作电流	1000A	
配电母线(垂直母线)峰值电流		
	标准型	105kA(最大值)/0.1s
	加强型	176kA(最大值)/0.1s

2. 防护等级	
符合 IEC 529、DIN 40050 标准	
IP30 对大于 Φ2.5MM 固定防护	
IP40 对大于 Φ1.0MM 固定防护	
IP54 对尘埃和任意方向喷溅作防护	
(订购 IP54 防护等级时应与制造厂协商)	

Type of switchgear

Motor Control Center Cabinet (MCC): assembled from large and small drawers, with main switches for each circuit using high break plastic case circuit breakers or rotary load switches with fuses

Power distribution center cabinet (PC): can use Emax, MT, 3WN, AH, ME series circuit breakers, etc

Power factor automatic compensation cabinet (with manual, automatic, and motion power factor compensation devices)

Transportation and storage of the device

When lifting the device after unpacking, a transport angle plate should be used, and the angle between the two steel wire ropes should be ≤ 120 °. If a shovel, roller or pry bar is used, it is not allowed to directly operate on the device's chassis

The device must not tilt or be subjected to severe vibrations

If the device needs to be moved a small distance during installation, it can be pried at the four corners of the test frame

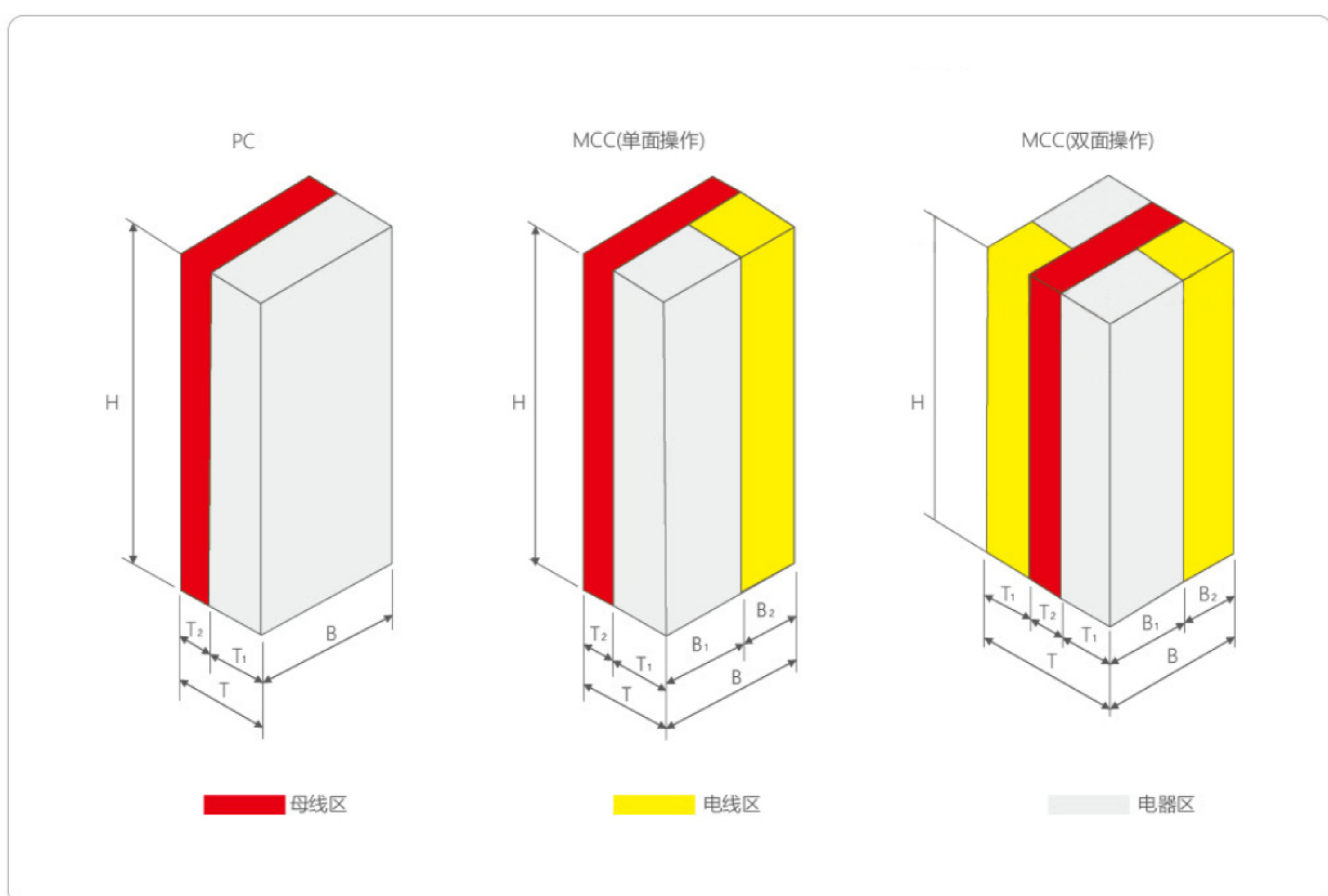
Electrical products and components are not allowed to be disassembled at will within the device

It should be protected from rain and moisture, and the ambient temperature should be in accordance with the relevant regulations of this sample

Product completeness

The switchgear is accompanied by a packing list, product certification, product manual and necessary drawings, door keys with accompanying accessories, and spare parts provided according to the matching list

柜体示意图



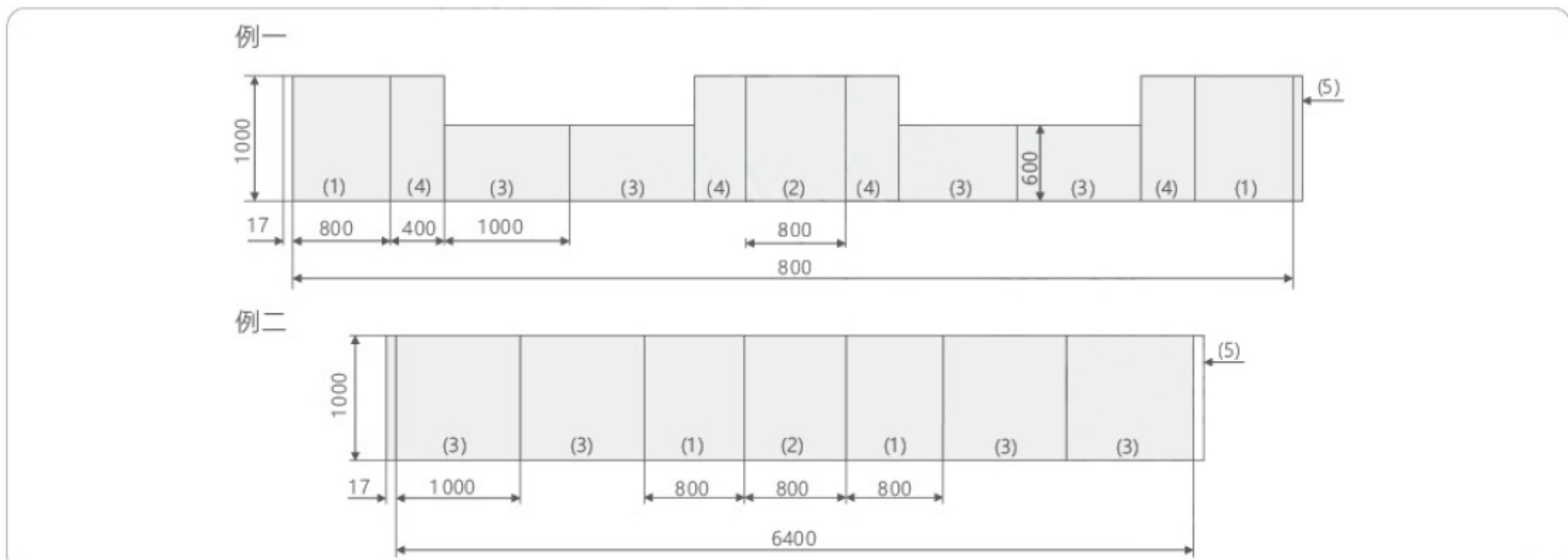
A 动力配电中心 (PC) 柜

高	宽	深			备注
H	B	T	T1	T2	
2200	400	1000	800	200	主母线转接
2200	400	1000	800	200	F1s-1250-2000 ME630-1605
2200	600	1000	800	200	F2s-2500
2200	800	1000	800	200	F4s-3200 me2000-3200
2200	1000	1000	800	200	F5s-4000 Me3205
2200	1200	1000	800	200	ME4005

B 电动机控制中心 (MCC) 柜

高	宽			深			备注
H	B	B1	B2	T	T1	T2	
2200	1000	600	400	600	400	200	单面操作
2200	1000	600	400	1000	400	200	双面操作

组合方式示意图



安装示意图

