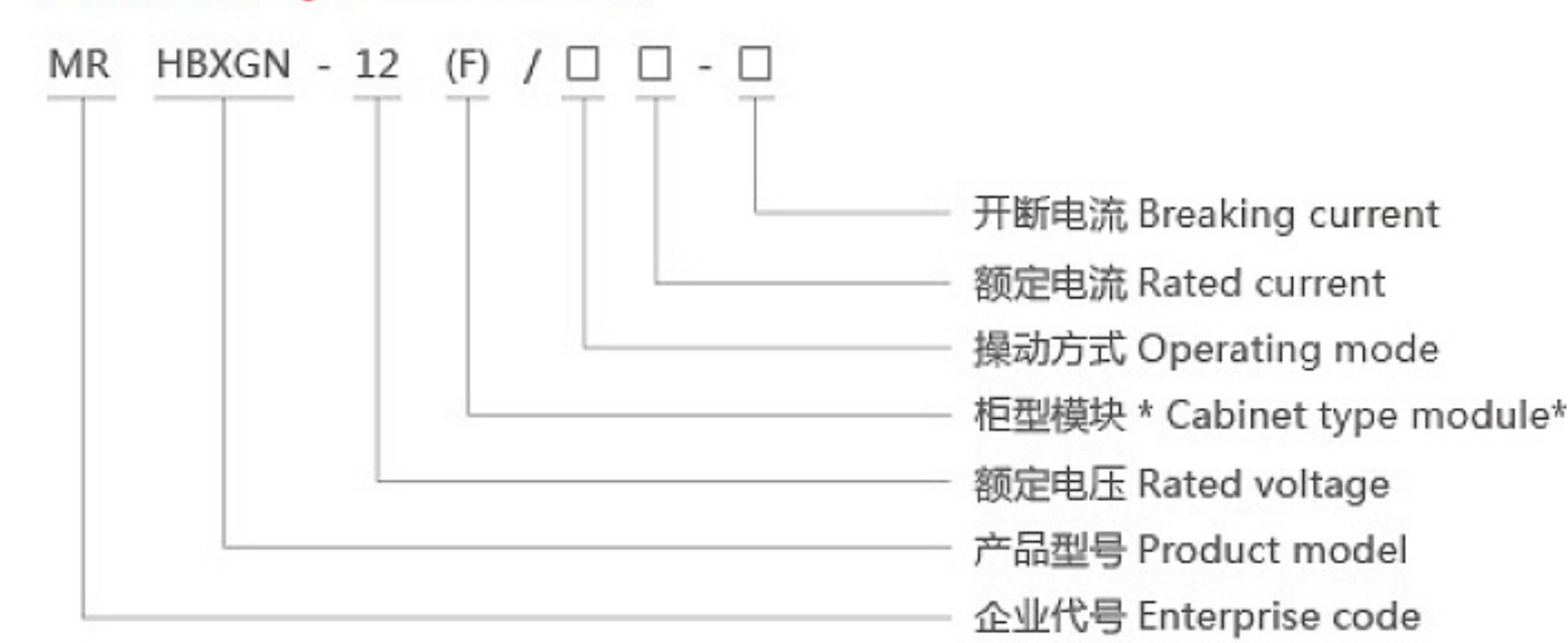


Summary
 MRHBXGN-12(F) environment-friendly gas insulated ring network cabinet is a distribution switchgear that uses vacuum arc extinguishing chamber to extinguish the arc. The environment-friendly gas is the main insulating medium, a small amount of solid insulation supports, and the main circuit is free of any encapsulation. In normal operation, it is zero gauge pressure or micro positive pressure (the air pressure of the gas box is $\leq 0.02\text{MPa}$), and the relative and interphase insulation capacity meets the air insulation requirements under zero gauge pressure.
 The environment-friendly gas insulated metal enclosed switchgear is the most commonly used three-phase AC intelligent environment-friendly gas insulated switchgear, and is widely used in various complete sets of switchgear. With the concentration of the domestic population, the power market must be matched, and the environment-friendly gas insulated switchgear will also be more and more in demand with the development of the market; The market potential remains to be developed. At the same time, as the product integrates multiple functions such as data acquisition and control, data processing and storage, online monitoring of switchgear and advanced analysis, it carries out online intelligent monitoring and management of the distribution network, enabling the distribution network to operate in a safe, reliable, high-quality and efficient optimal state, realizing remote monitoring, control and management of the distribution network of the power system, and realizing power grid optimization, power safety, power management Demand for energy conservation and consumption reduction; The system can also be widely used in transportation, factories, hospitals, schools, buildings, residential areas, commercial office buildings and other intelligent power distribution fields.

型号含义 Type meaning



备注：*MRHBXGN-12 通用柜型模块有：C—负荷开关模块；V—真空断路器模块；F—负荷开关-熔断器组合电器模块。

Remarks: * MRHBXGN-12 general cabinet type modules include: C-load switch module; V - Vacuum circuit breaker module; F - Load switch fuse combination device module.

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Environmental conditions

- ◇ Ambient temperature: maximum temperature $+40^{\circ}\text{C}$, minimum temperature -25°C , 24-hour average temperature $\leq 35^{\circ}\text{C}$;
- ◇ Relative humidity: 24h average $\leq 95\%$, monthly average $\leq 90\%$;
- ◇ Altitude: $\leq 1500\text{m}$ (conventional type, under standard inflation pressure), $> 1500\text{m}$ requires special instructions;

Note: When ordering this product beyond the above conditions, please consult with our company.

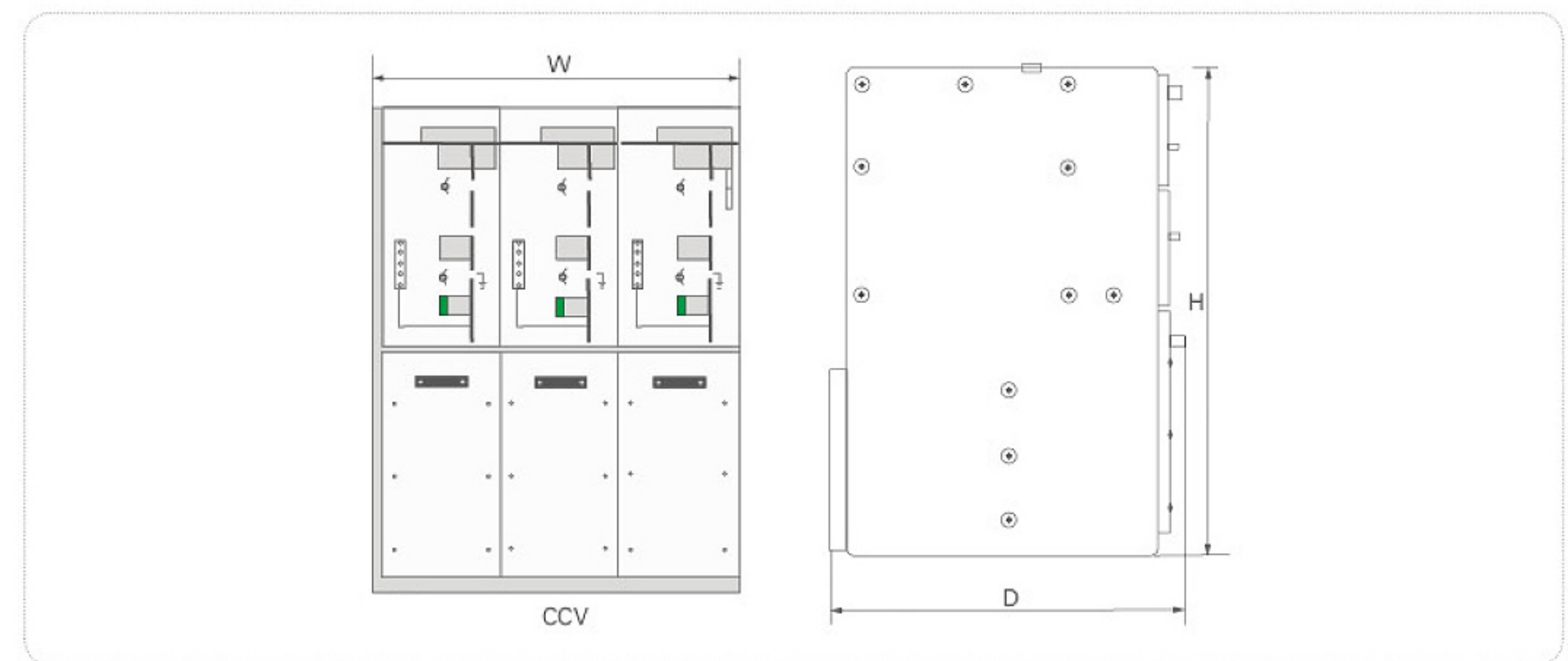
技术参数 Technical parameter

序号 Serial No	项目 Item	C 模块 Module		F 模块 Module	V 模块 Module	
		负荷开关 Load switch	组合电器 Combined electrical apparatus	真空断路器 Vacuum circuit breaker	隔离 / 接地开关 Isolating/grounding switch	
1	额定电压 Rated voltage	12				
2	1min 工频耐受电压 1min power frequency withstand voltage	42/48				
3	雷电冲击耐受电压 Lightning impulse withstand voltage	75/85				
4	额定电流 Rated current	630	125*	630	630	
5	分断能力 Breaking capacity					
	闭环开断电流 Closed loop breaking current	630				
	电缆充电开断电流 Cable charging breaking current	135				
	5% 有功负荷开断电流 5% active load breaking current	31.5				
	接地故障开断电流 Earth fault breaking current	200				
6	短路开断电流 Short circuit breaking current		31.5*	25		
	额定转移电流 Rated transfer current		1500			
7	选用熔断器最大电流 Maximum current of fuse selected		125			
8	短路关合电流 Short circuit making current	63	80*	25		
9	短时耐受电流 Short time withstand current	25		25	25	
10	短路持续时间 Short circuit duration	4		4	4	
11	机械寿命 Mechanical life	5000	5000	10000	3000	
12	气体压力 Gas pressure	0.025 (20°C)				
13	年泄露率 Annual leakage rate	$\leq 0.05\%$				
14	灭弧方式 Arc extinguishing mode	真空灭弧 Vacuum arc extinguishing				
15	防护等级 Degree of protection	IP67/3X (气箱 / 外壳) (Air box/housing)				

PT and metering cabinet unit

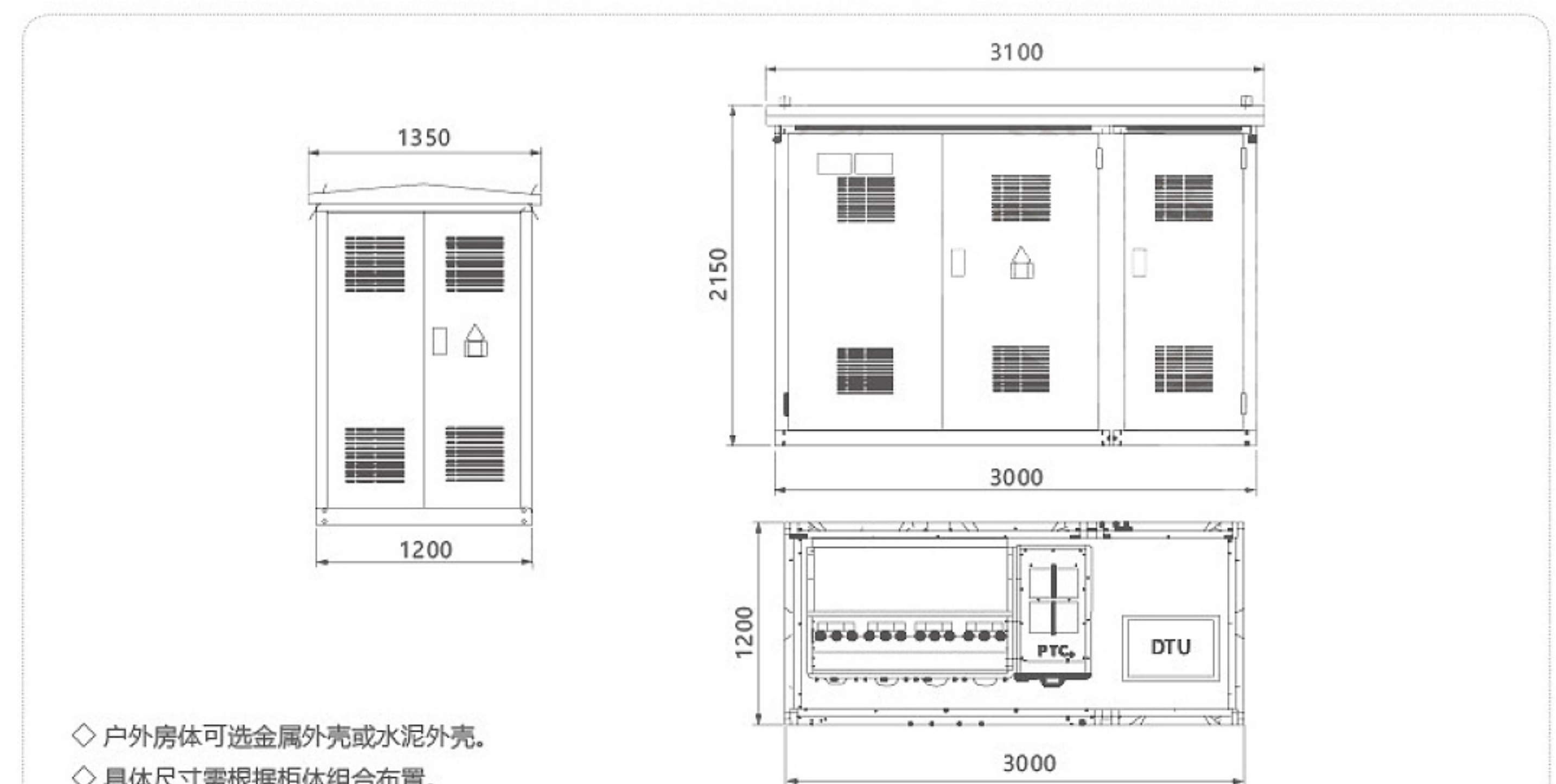
- ◇ Air insulated switchgear;
- ◇ The voltage transformer is equipped with fuse protection, and two or three voltage transformers can be selected; 2 or 3 current transformers;
- ◇ Connection mode of metering cabinet and switch cabinet: top expansion bus connection;
- ◇ Connection mode of PT cabinet and switch cabinet: top expansion bus connection.

外形尺寸 Overall dimensions



	1-way	2-way	3-way	4-way	5-way
W(mm)	371	696	1021	1346	1671
H(mm)	1336				
D(mm)	850(total 935)				

户外开闭所方案 Outdoor switching station scheme



- ◇ 户外箱体可选金属外壳或水泥外壳。
- ◇ 具体尺寸需根据柜体组合布置。
- ◇ The outdoor housing can be metal shell or cement shell.
- ◇ The specific dimensions shall be arranged according to the combination of cabinets.

