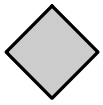
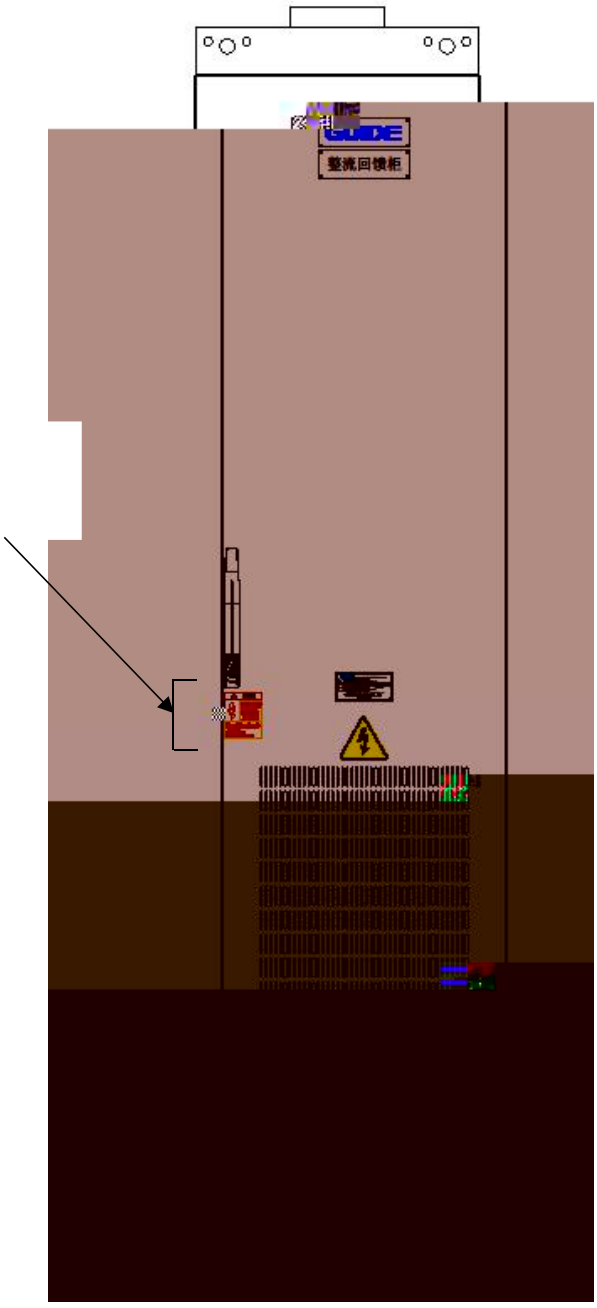
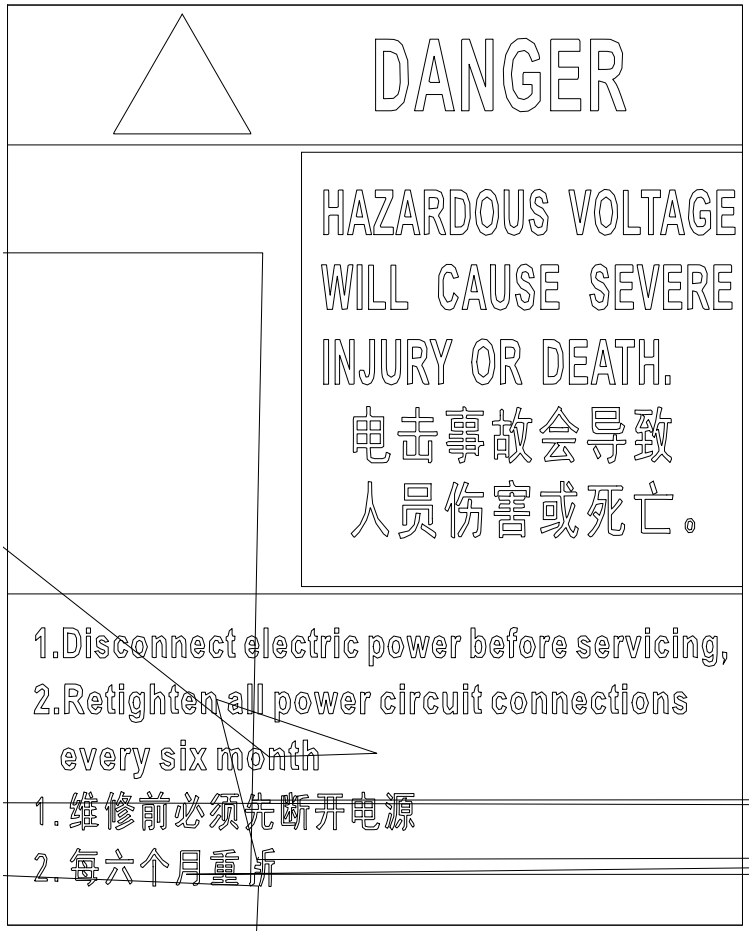
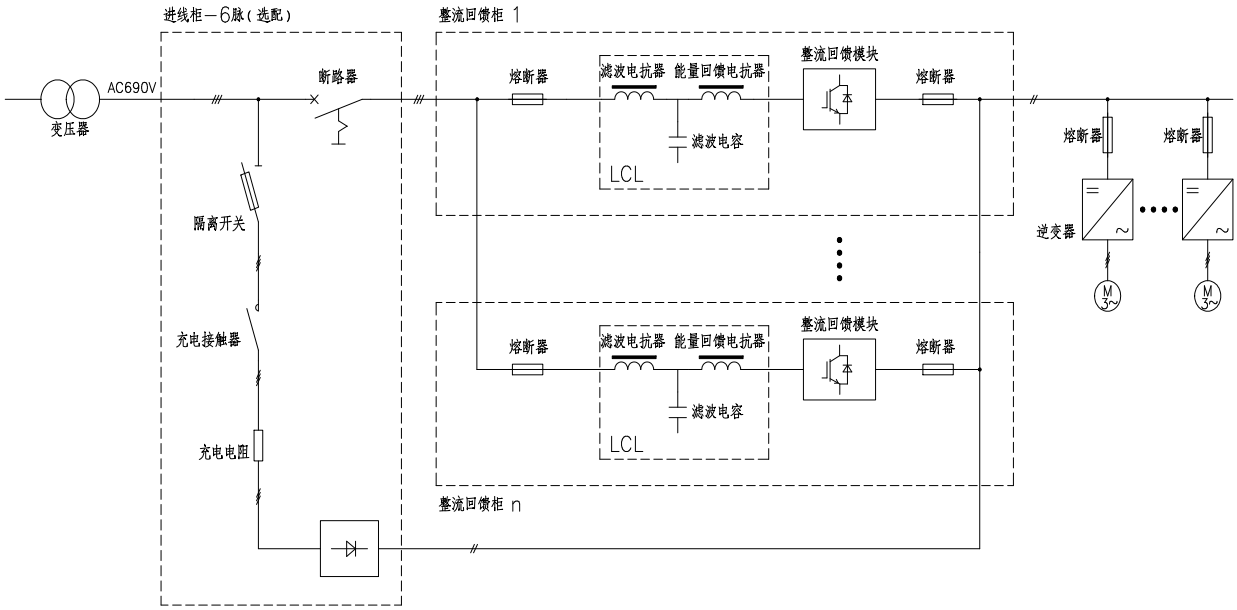
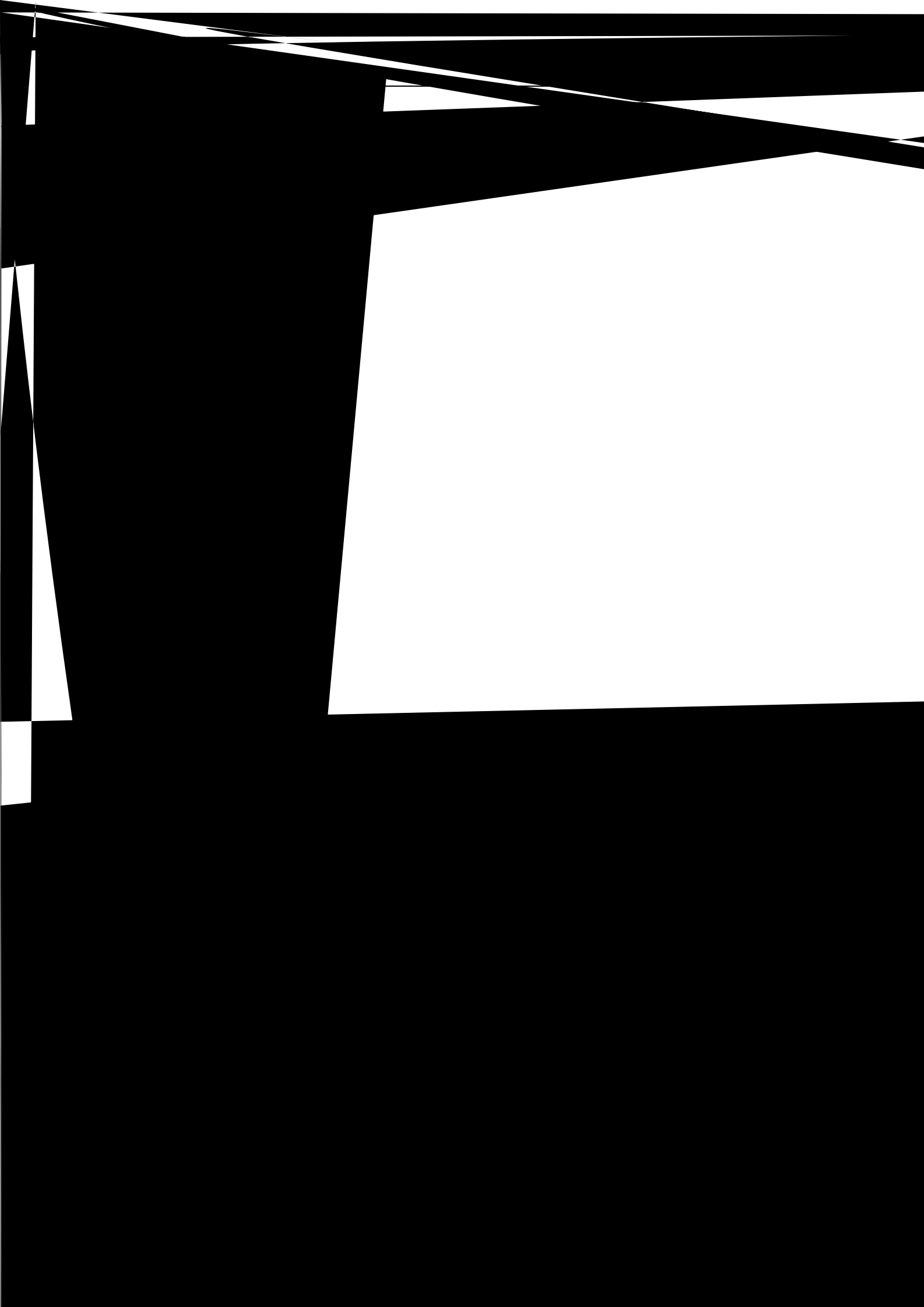
GUIDE




整流回馈柜


DANGER
HAZARDOUS VOLTAGE
WILL CAUSE SEVERE
INJURY OR DEATH.
电击事故会导致
人员伤害或死亡。
1.Disconnect electric power before servicing,
2.Retighten all power circuit connections
every six month
1.维修前必须先断开电源
2.每六个月重拆


进线柜－6脉（选配）
整流回馈柜 1
AC690V
变压器
断路器
熔断器
滤波电抗器
能量回馈电抗器
整流回馈模块
熔断器
滤波电容
LCL
熔断器
熔断器
逆变器
隔离开关
充电接触器
充电电阻
熔断器
滤波电抗器
能量回馈电抗器
整流回馈模块
熔断器
滤波电容
LCL
整流回馈柜 n



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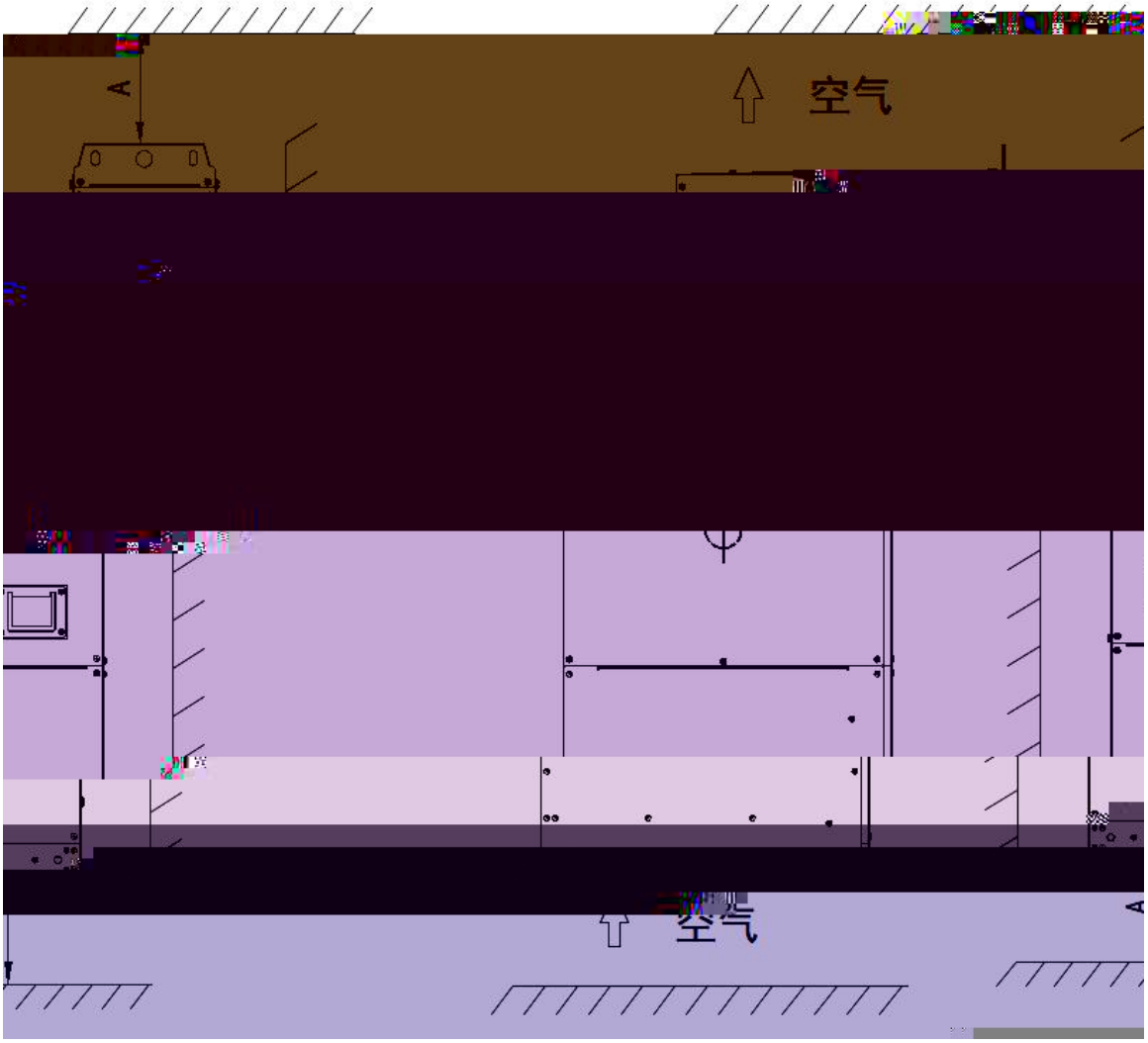
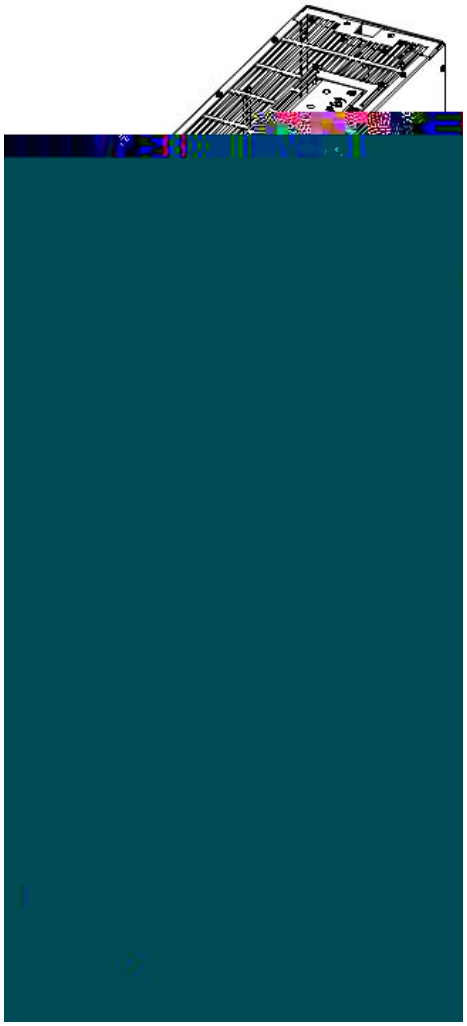
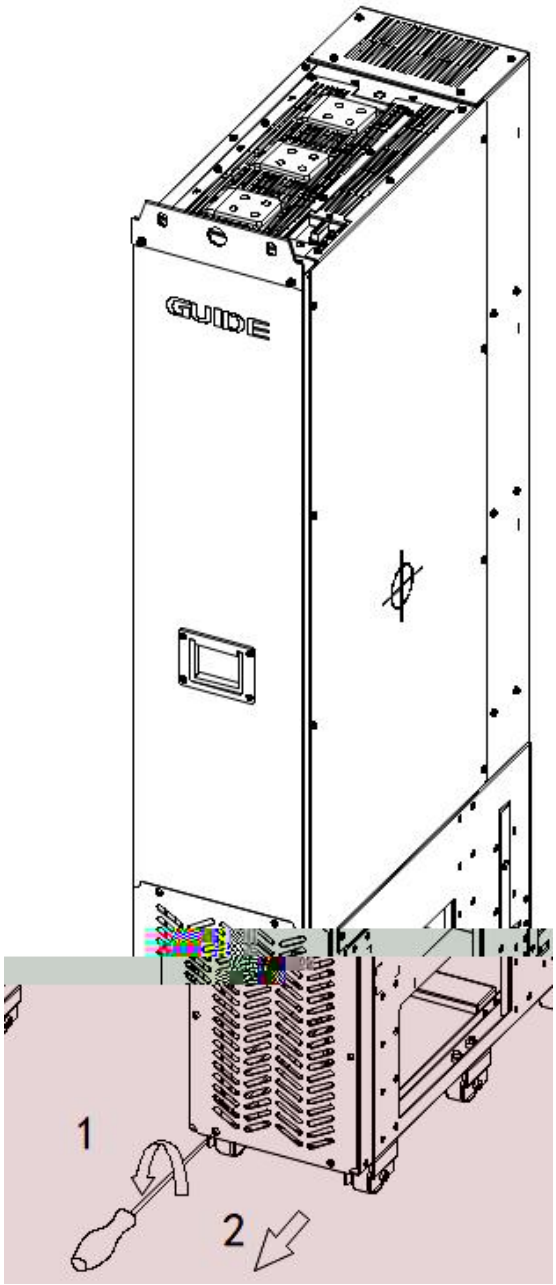
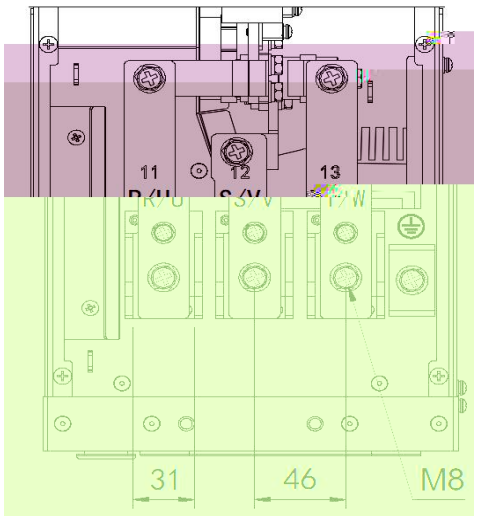

空气
空气




GUIDE
1
2


11
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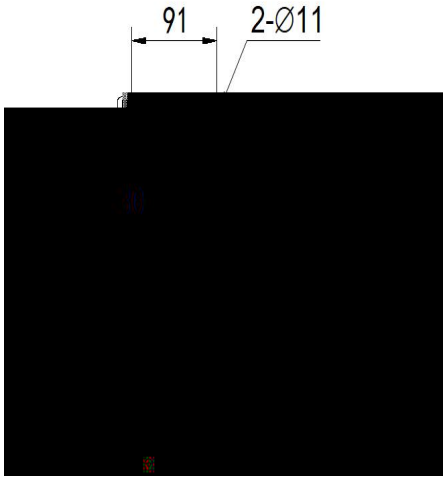
13
31
46
M8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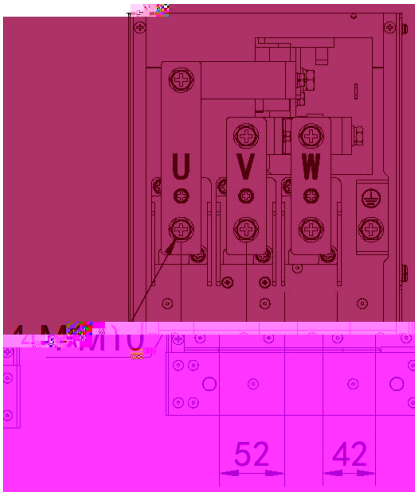
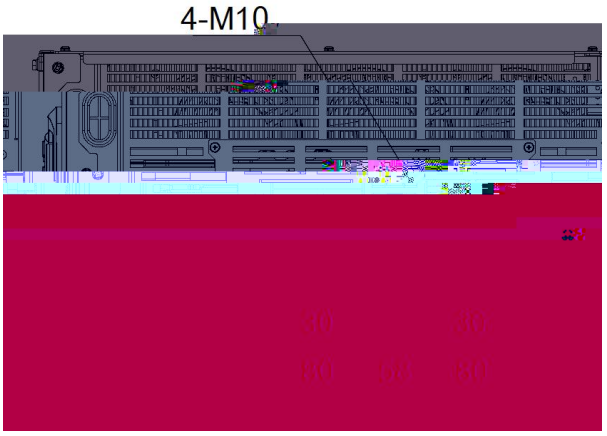
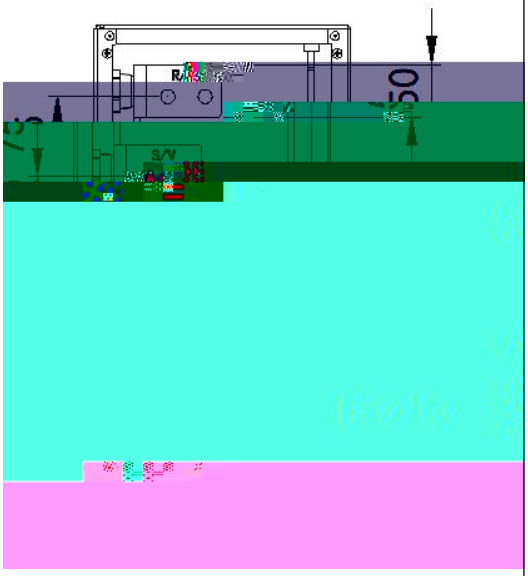
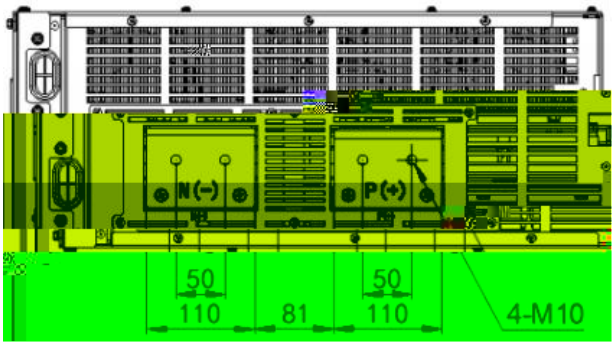
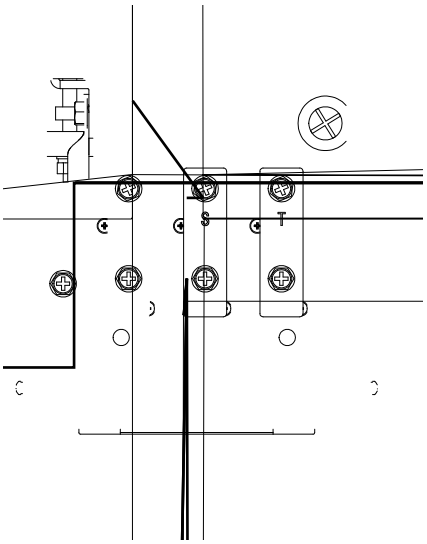
2-Ø11

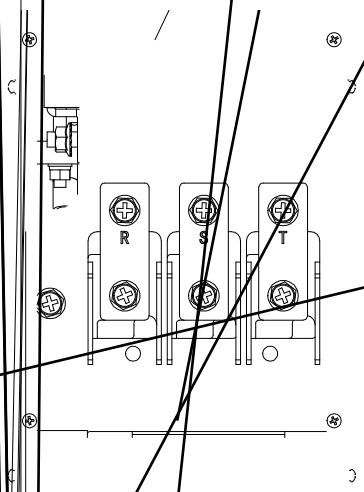

U
V
W
52
42


4-M10

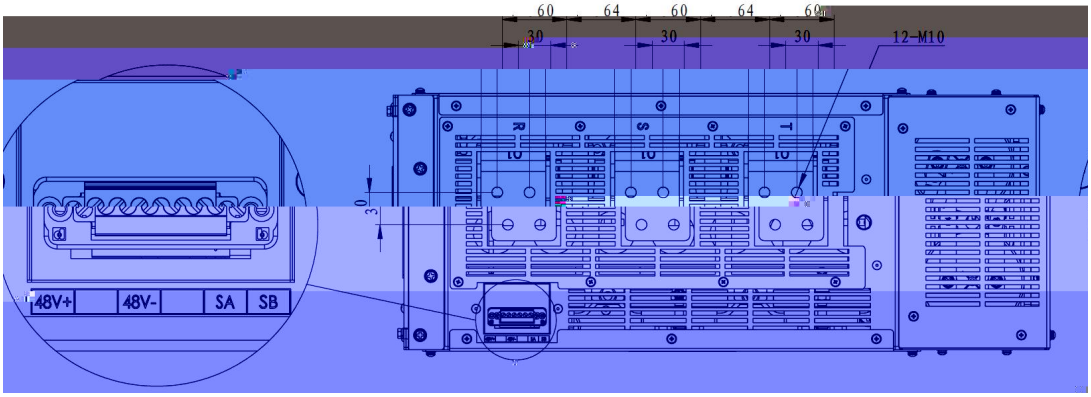



N(-)
P(+)
50
110
81
50
110
4-M10


S
T



GUIDE


60
64
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64
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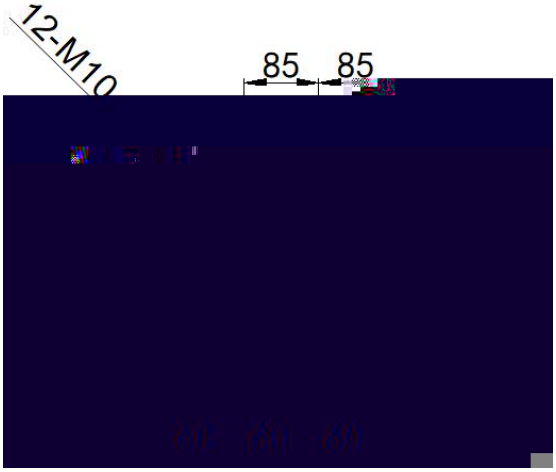
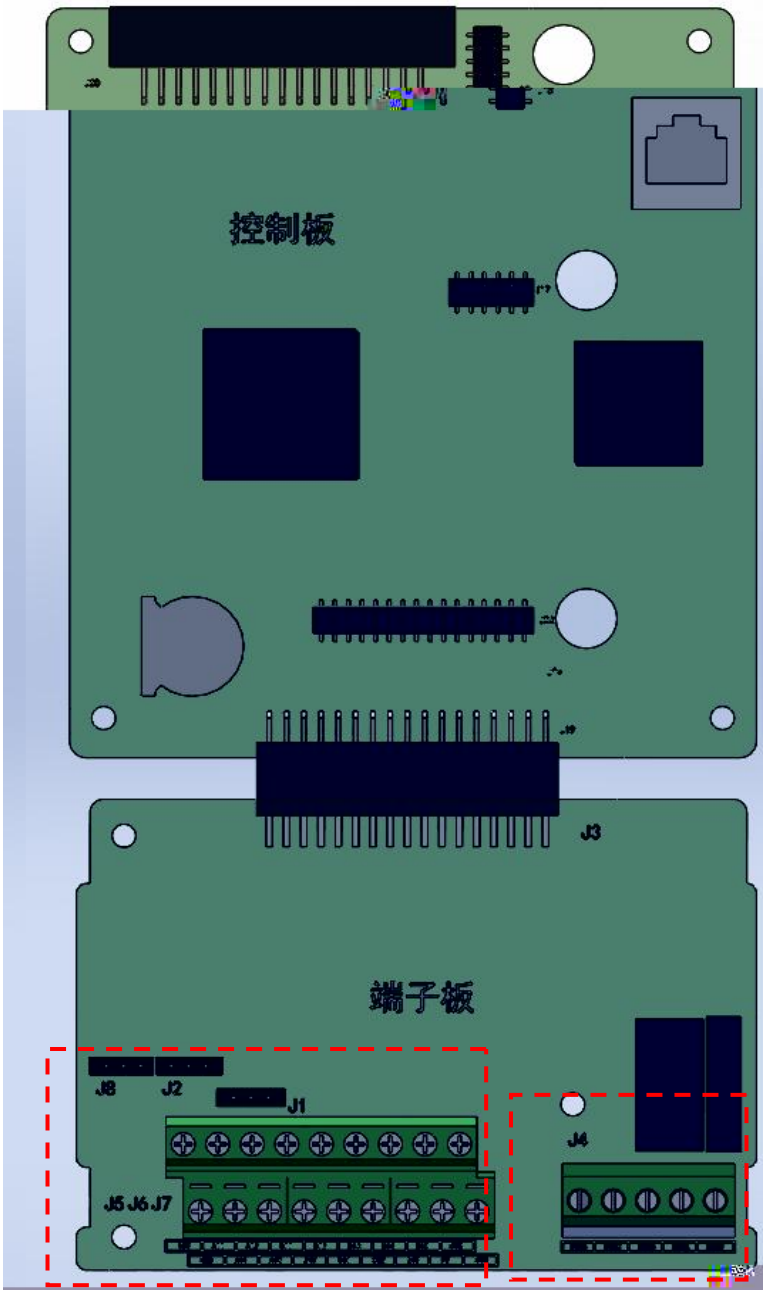
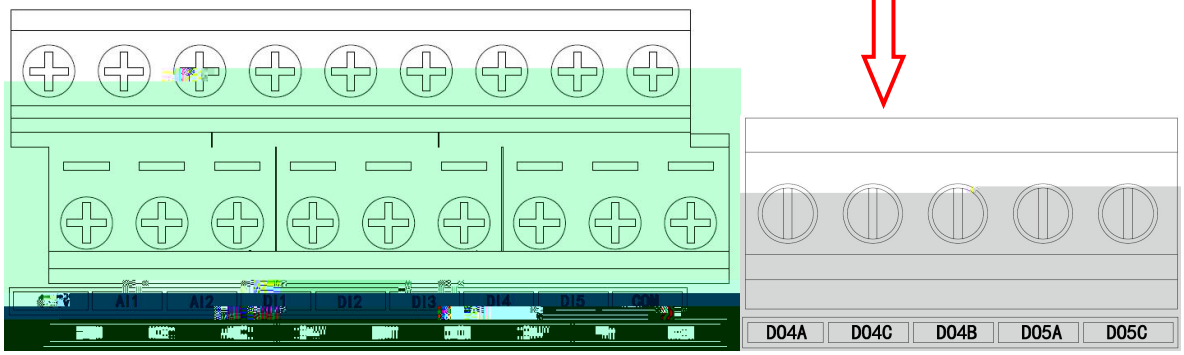
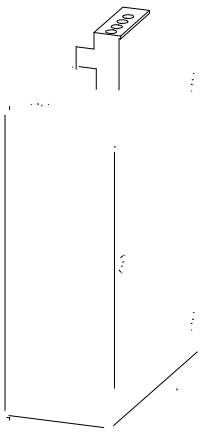
30
12-M10
48V+
48V-
SA
SB

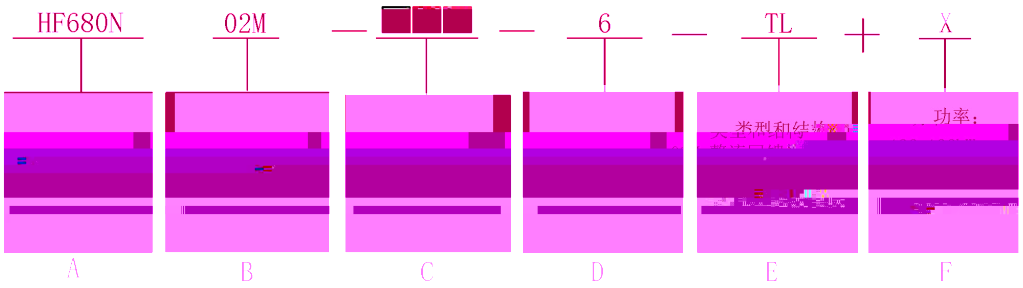

12-M10
85
85

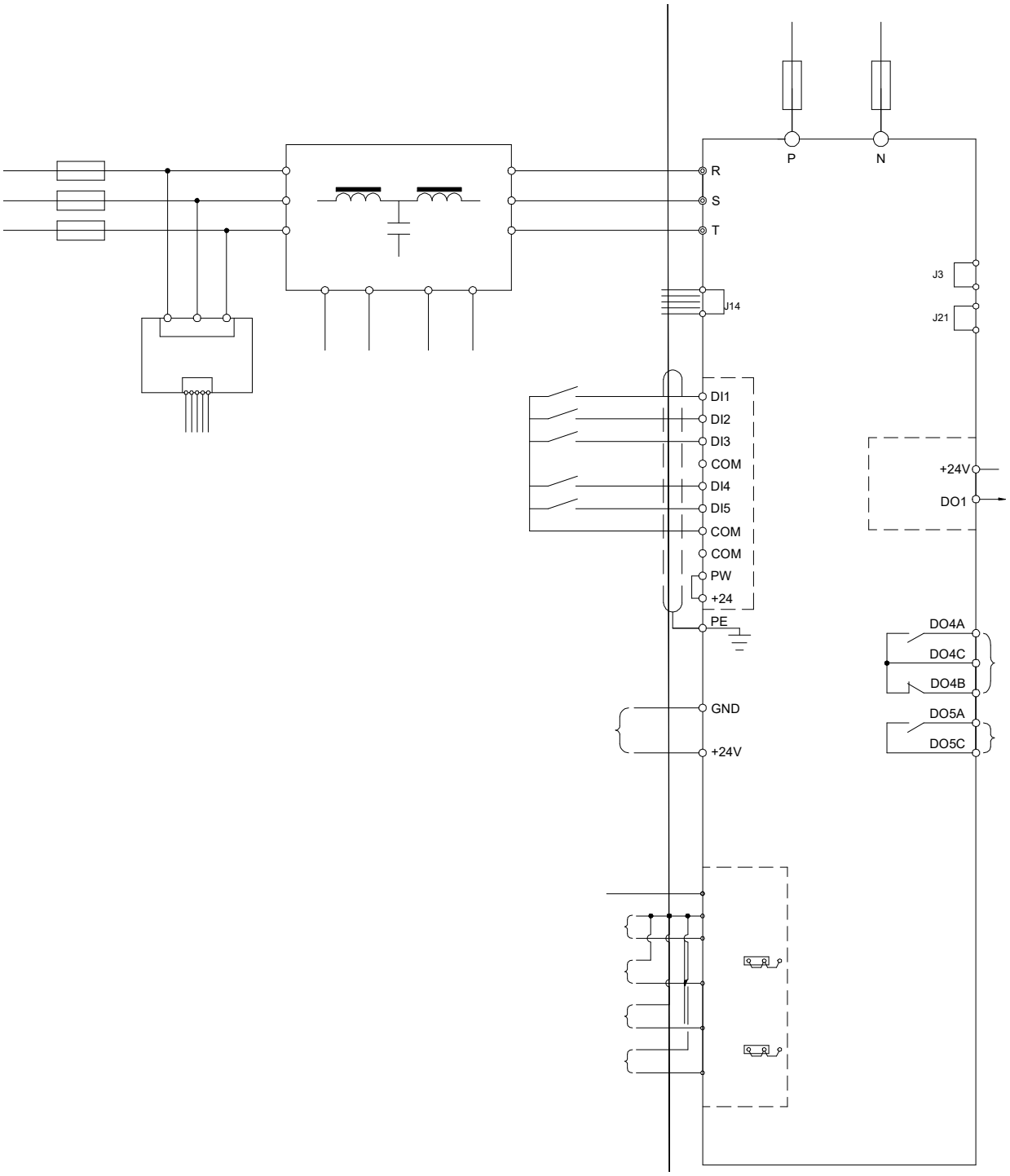

控制板
J3
端子板
J8
J2
J1
J4
J5 J6 J7

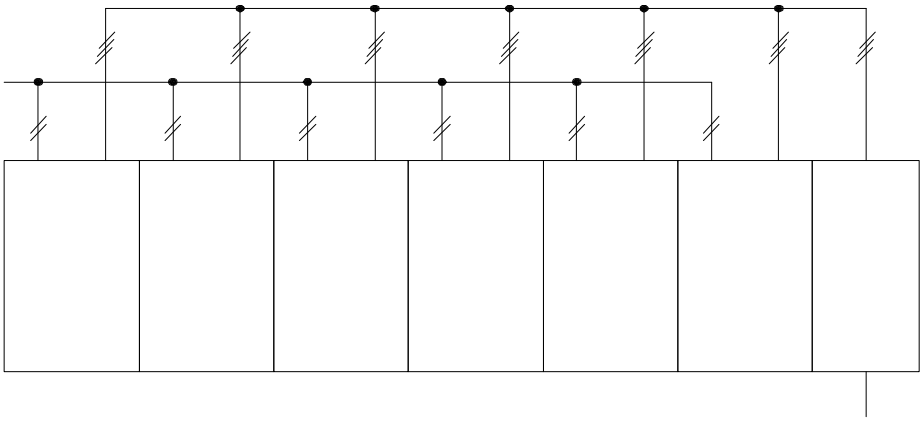

AI1
AI2
DI2
DI3
DI4
DI5
DO4A
DO4C
DO4B
DO5A
DO5C

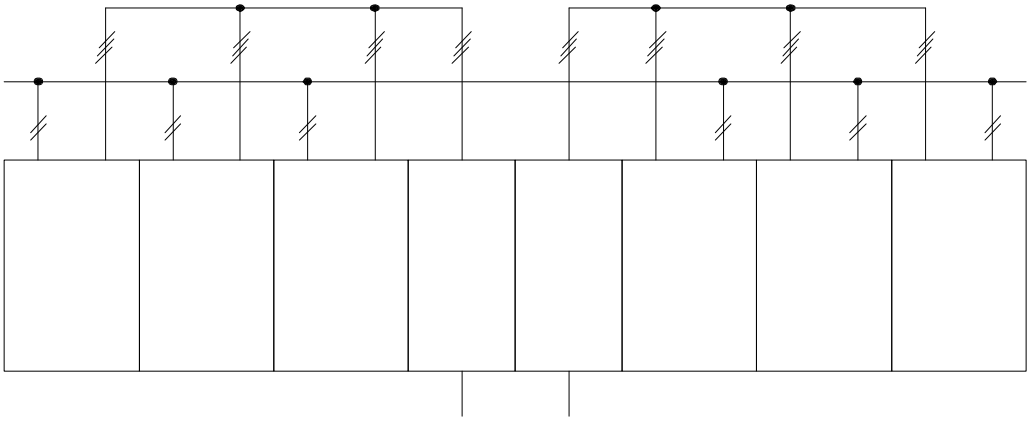
			ϕ
			ϕ

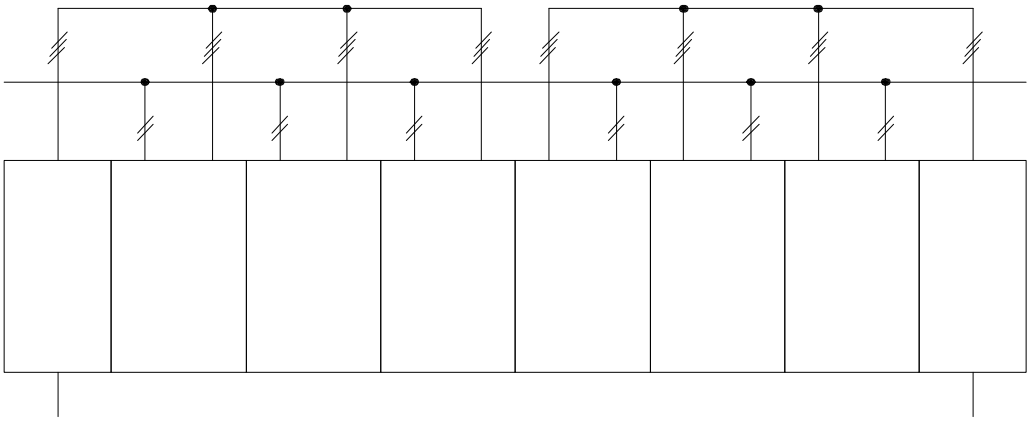


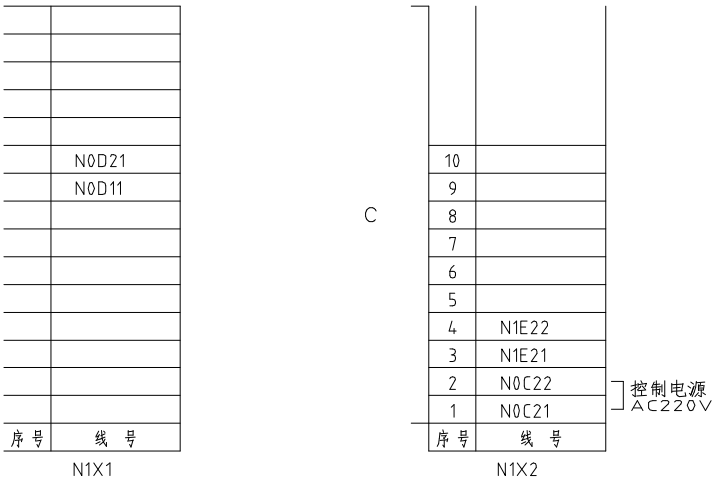

HF680N
02M
6
TL
X
功率；
A
B
C
D
E
F

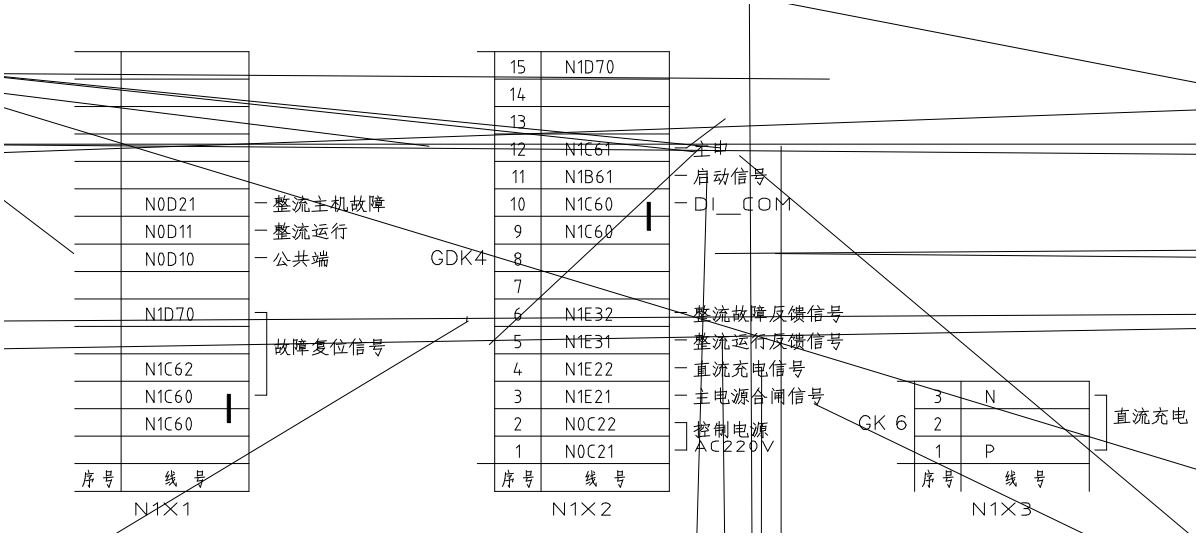

P
N
R
S
T
J3
J21
J14
DI1
DI2
DI3
COM
DI4
DI5
COM
COM
PW
+24
PE
+24V
DO1
DO4A
DO4C
DO4B
DO5A
DO5C
GND
+24V

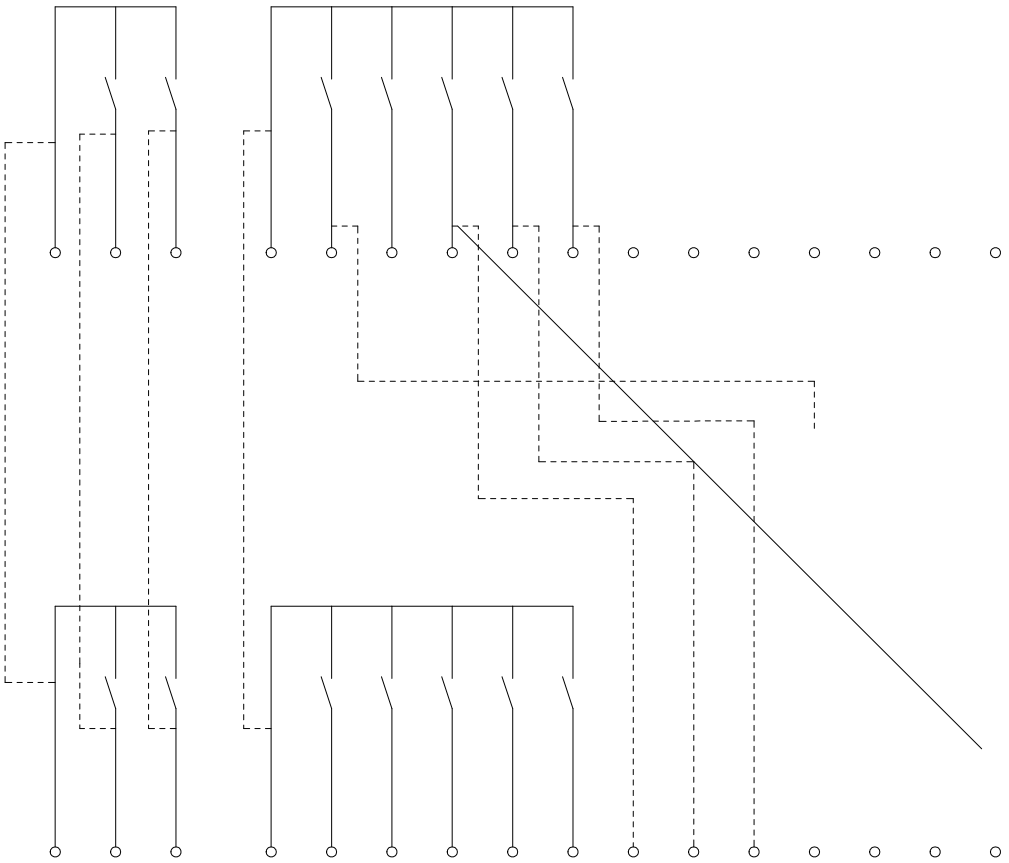


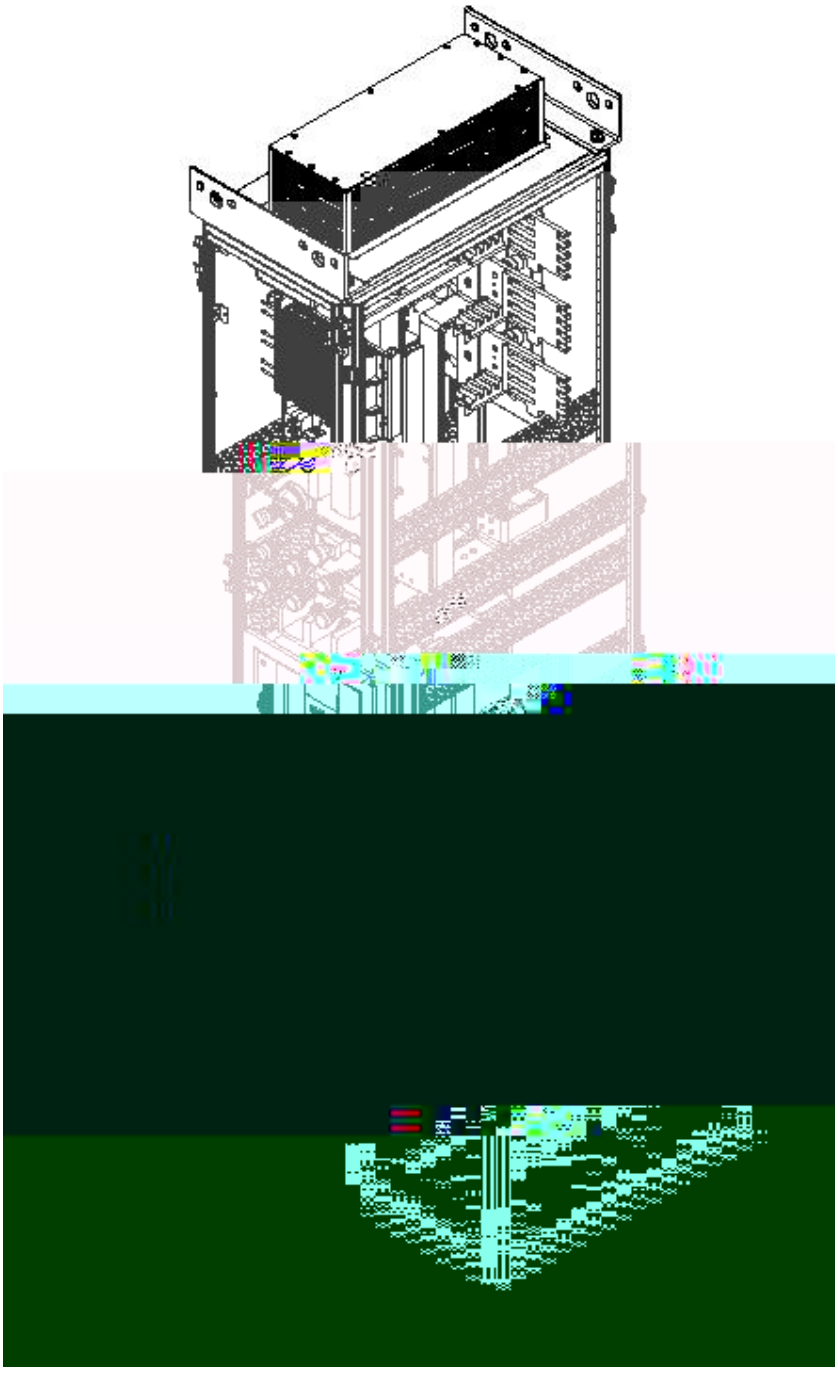


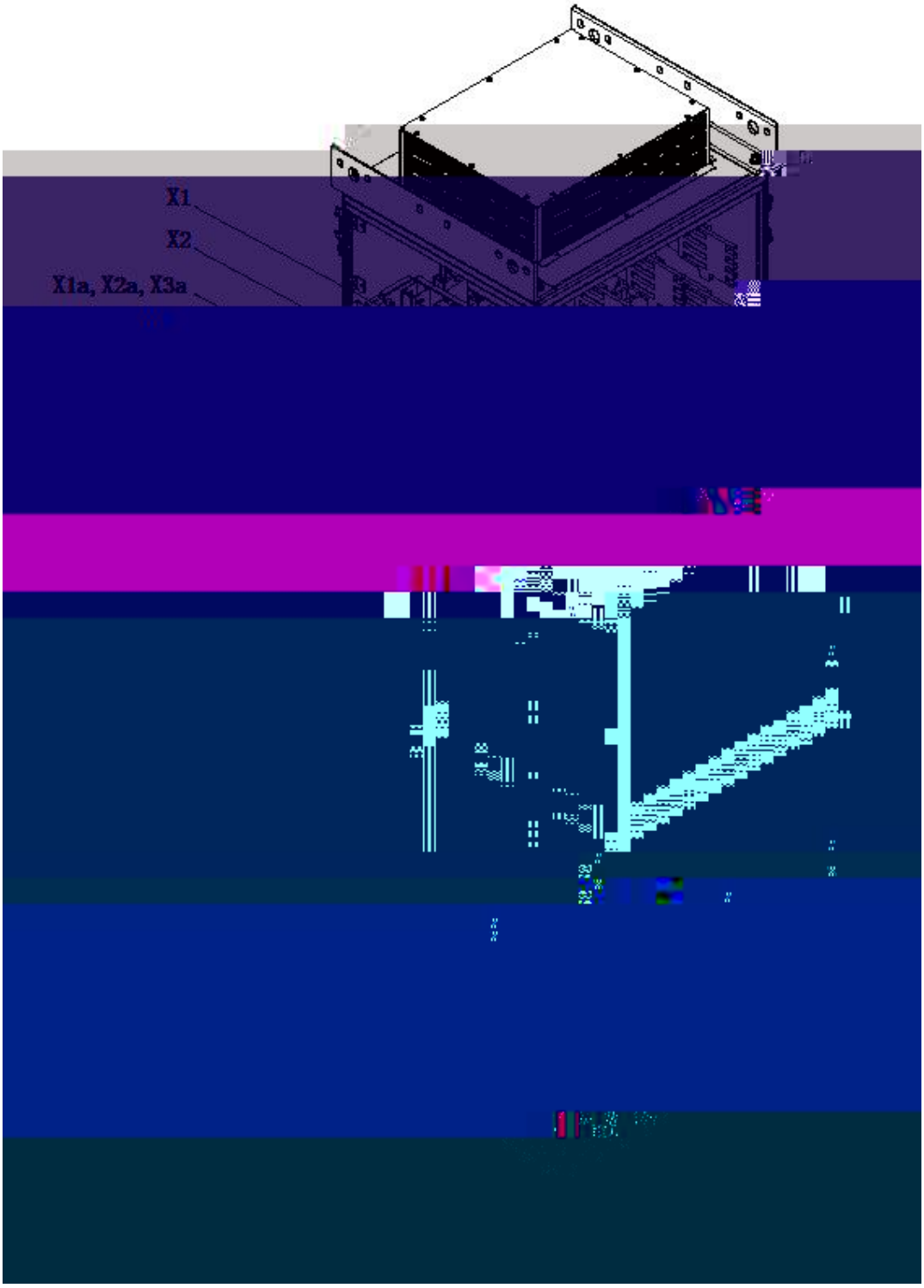


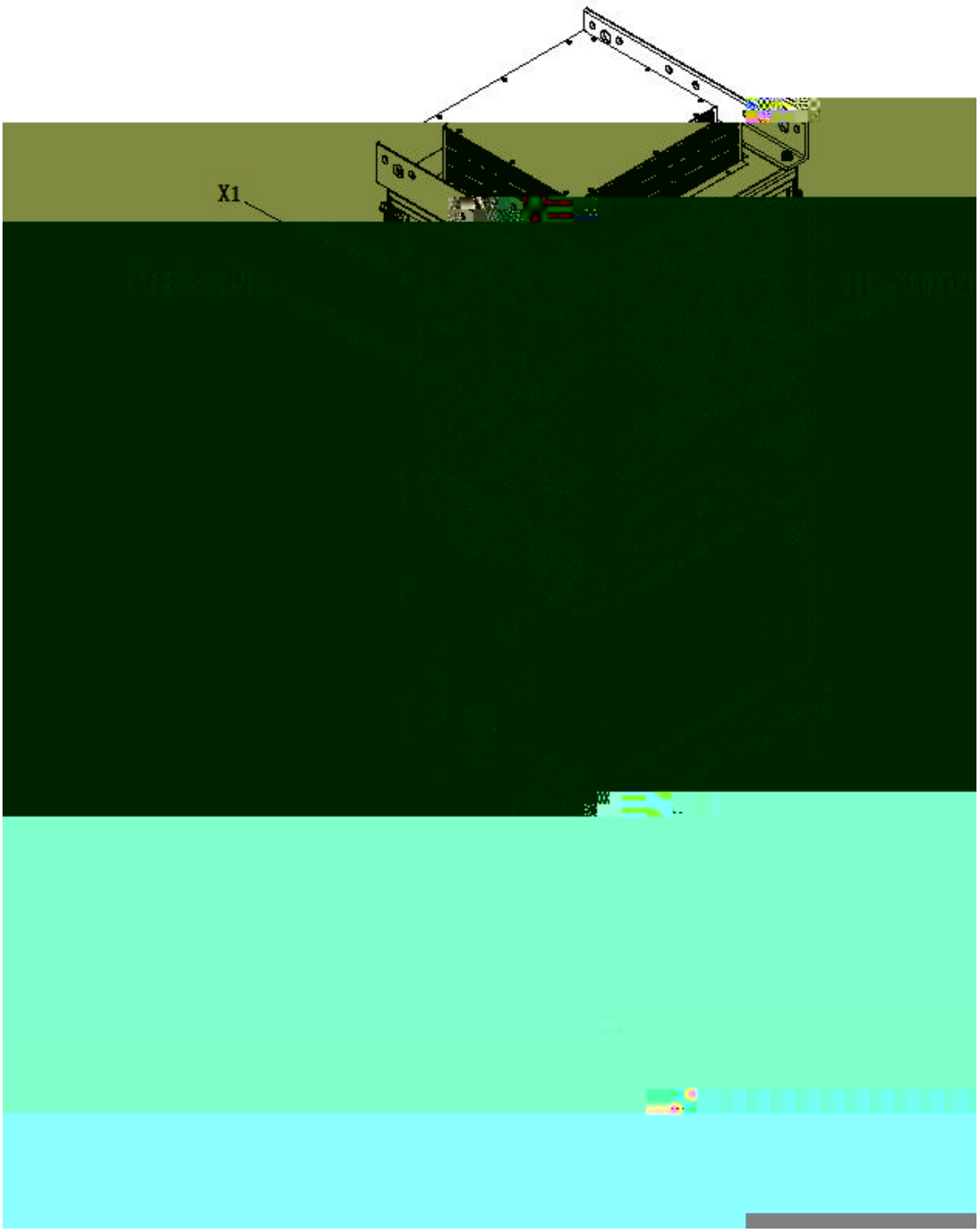

序号
线 号
N0D21
N0D11
C
10
9
8
7
6
5
4
N1E22
3
N1E21
2
N0C22
1
N0C21
控制电源
AC220V
N1X1
N1X2

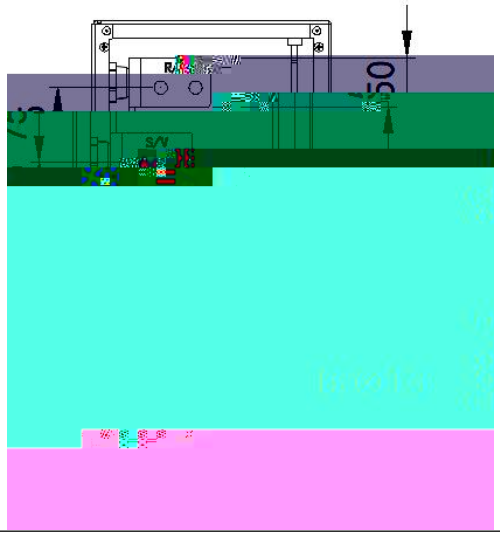
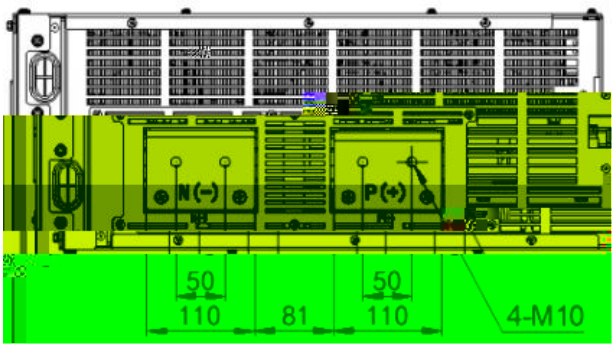

N0D21
整流主机故障
N0D11
整流运行
N0D10
公共端
N1D70
故障复位信号
N1C62
N1C60
N1C60
序号
线号
N1×1
GDK4
15 N1D70
14
13
12 N1C61
主电
11 N1B61
启动信号
10 N1C60
DI__COM
9 N1C60
8
7
6 N1E32
整流故障反馈信号
5 N1E31
整流运行反馈信号
4 N1E22
直流充电信号
3 N1E21
主电源合闸信号
2 N0C22
1 N0C21
控制电源
AC220V
序号
线号
N1×2
GK 6
3 N
2
1 P
直流充电
序号
线号
N1×3

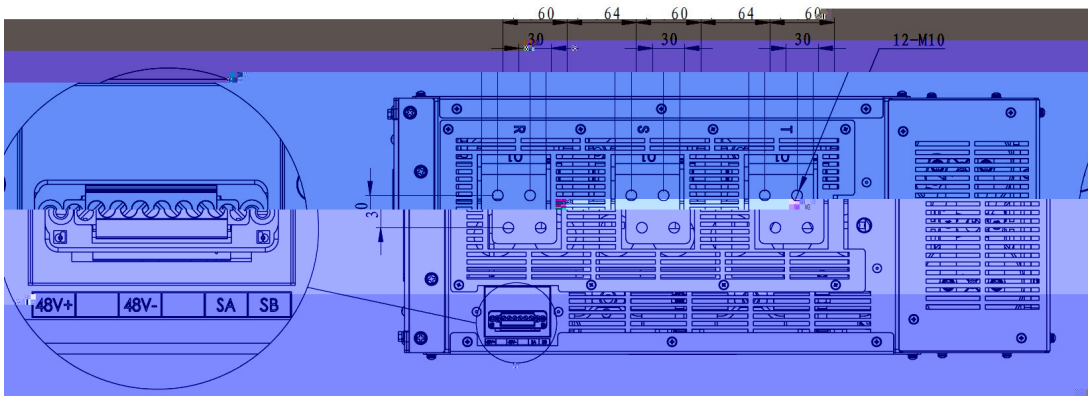





X1
X2
X1a, X2a, X3a


X1

  N(-) P(+) 50 110 81 50 110 4-M10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64
60
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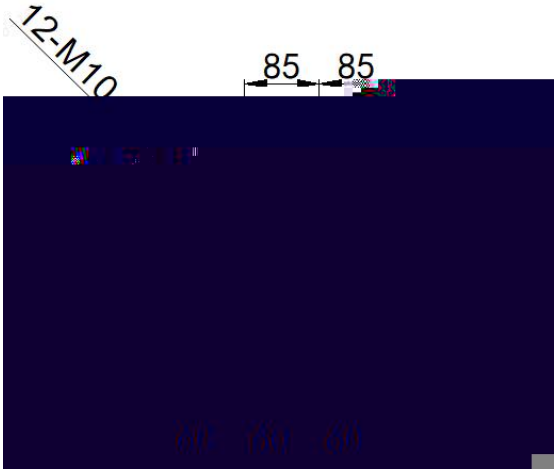
30
30
12-M10
R
S
T
30
48V+
48V-
SA
SB


12-M10
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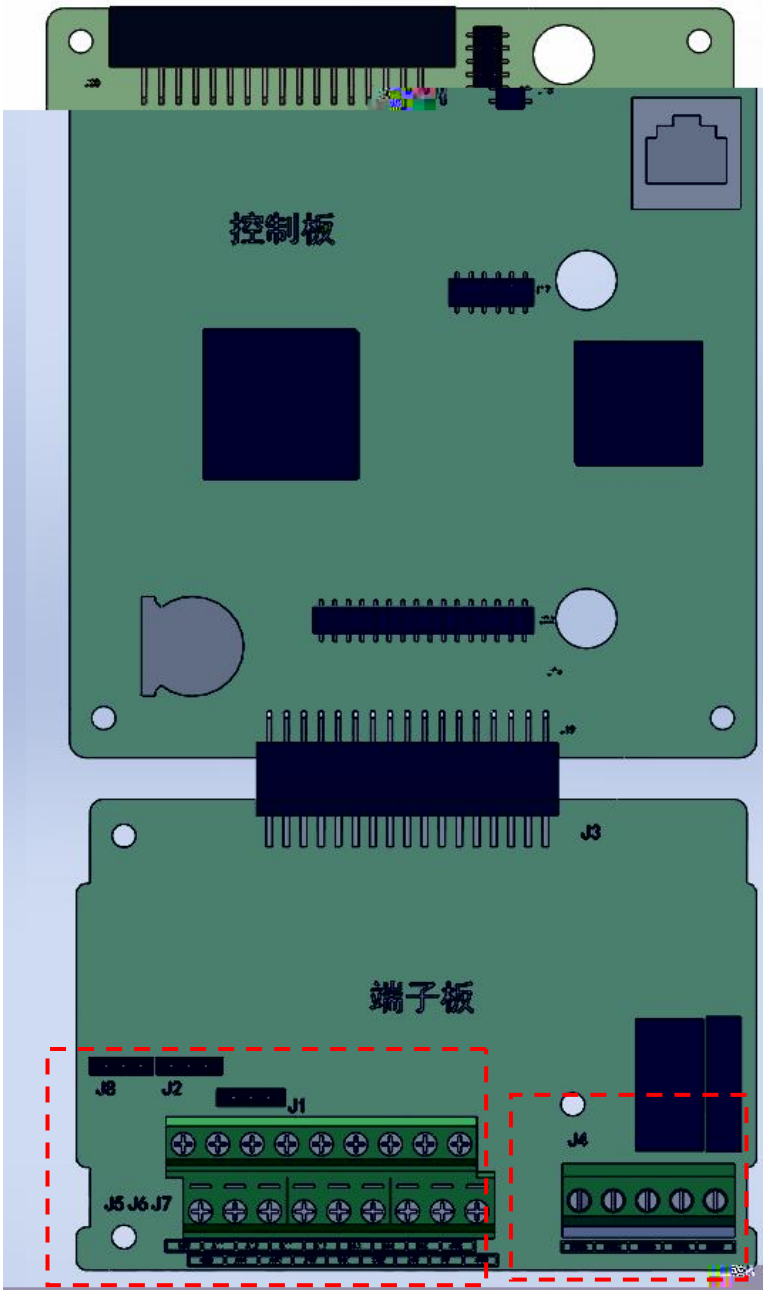
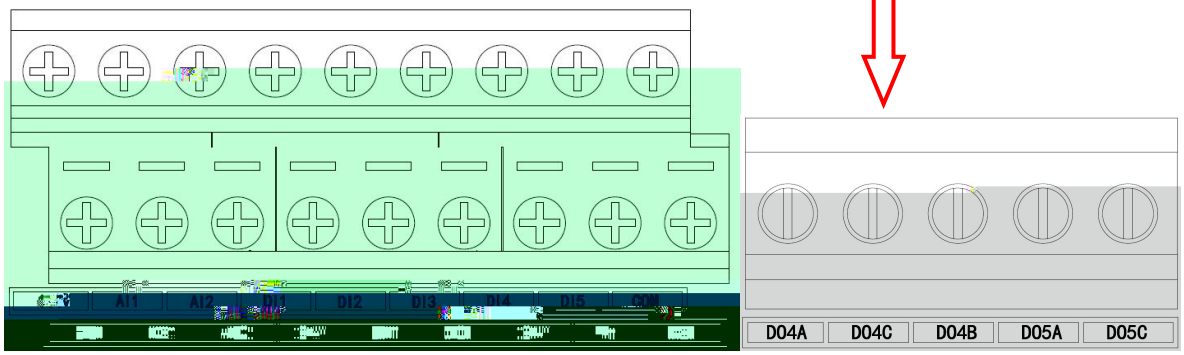
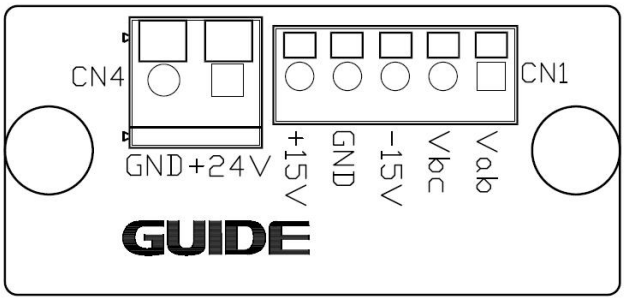
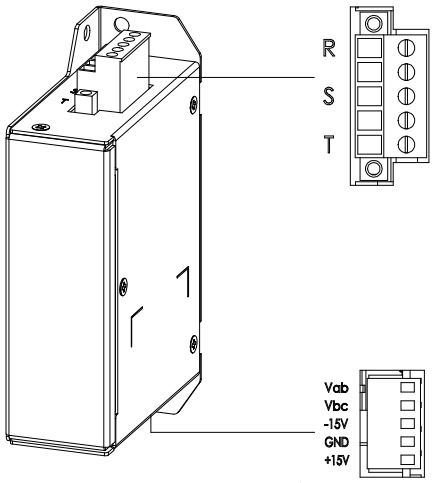
85

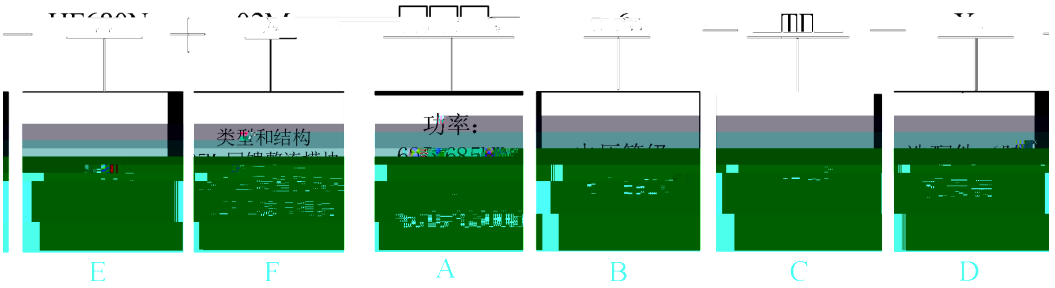

控制板
J3
端子板
J8
J2
J1
J4
J5 J6 J7

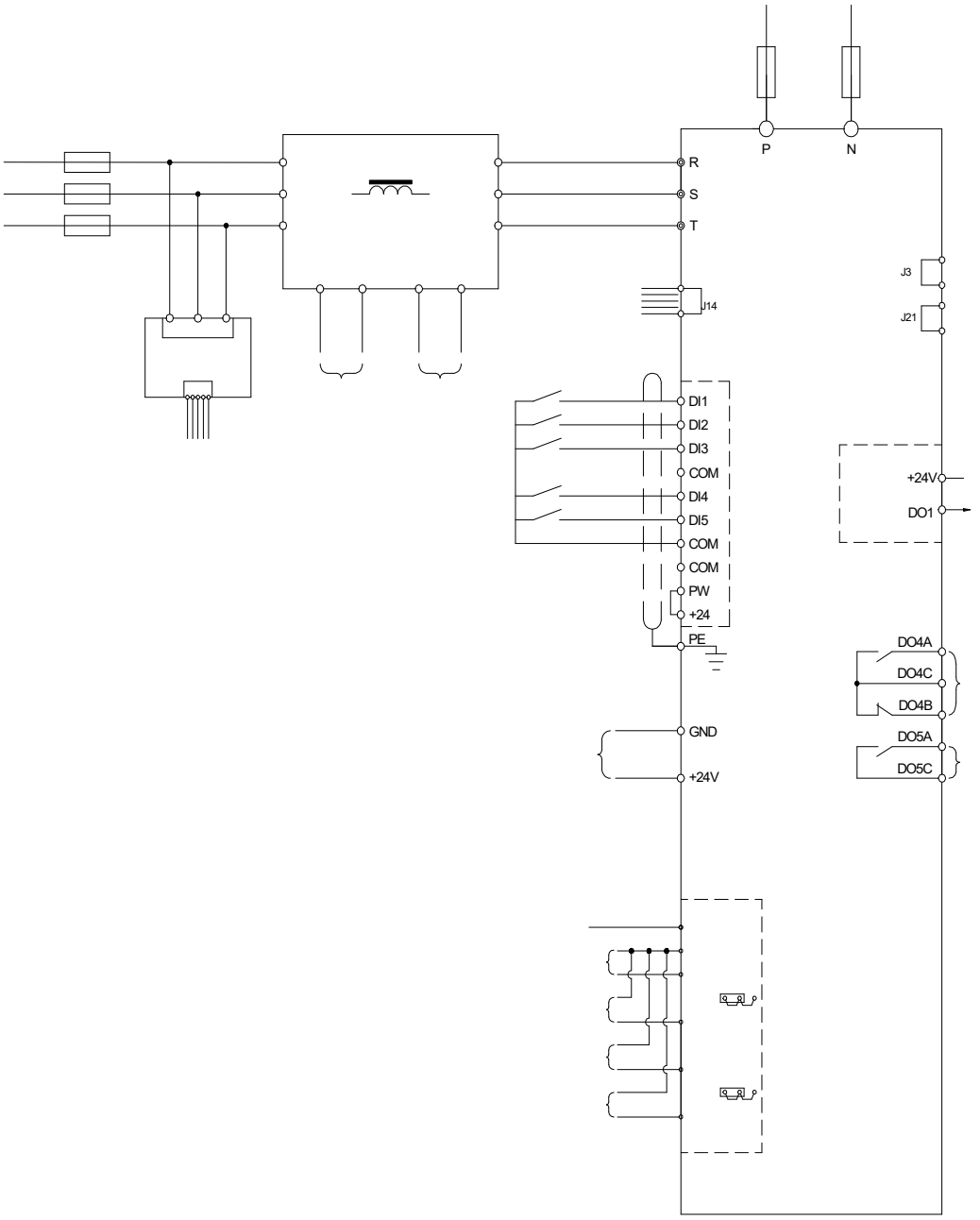

AI1
AI2
DI2
DI3
DI4
DI5
DO4A
DO4C
DO4B
DO5A
DO5C

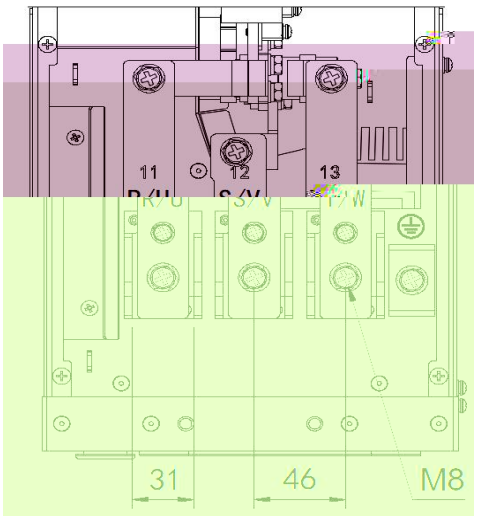
			ϕ
			ϕ

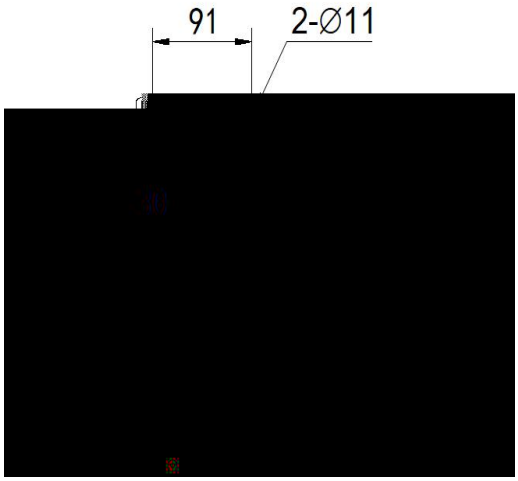

CN4
CN1
GND
+24V
+15V
GND
-15V
Vbc
Vab
GUIDE

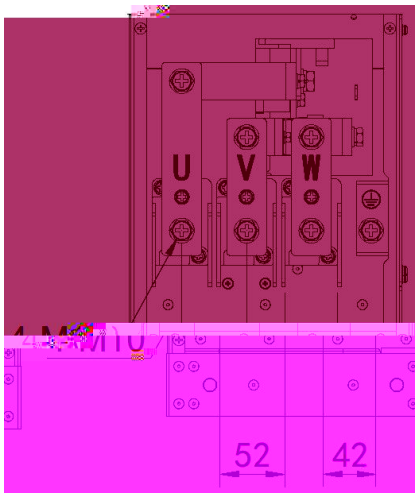

R
S
T
Vab
Vbc
-15V
GND
+15V

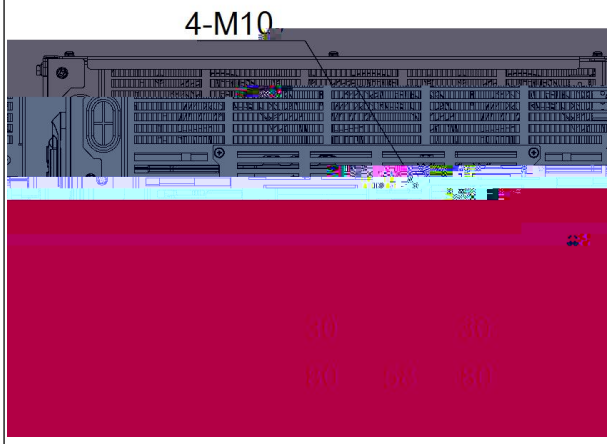

类型和结构
功率：
E
F
A
B
C
D

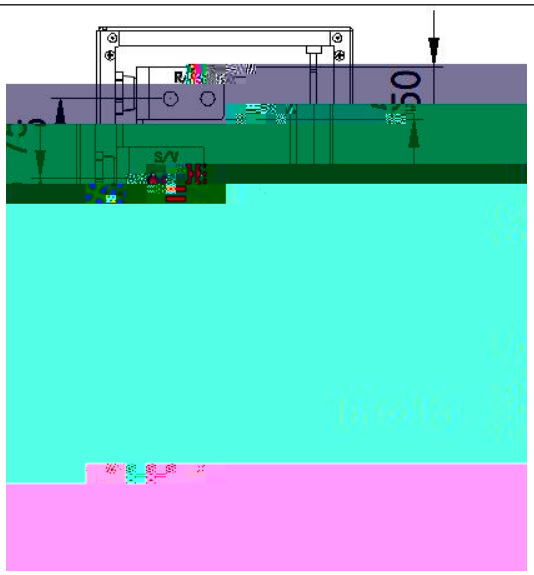

P
N
R
S
T
J3
J21
J14
DI1
DI2
DI3
COM
DI4
DI5
COM
COM
PW
+24
PE
+24V
DO1
DO4A
DO4C
DO4B
DO5A
DO5C
GND
+24V

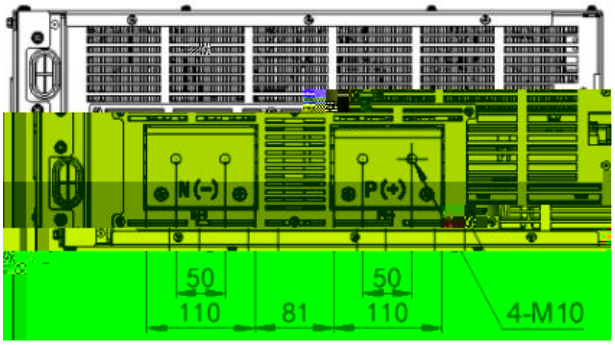

11
12
13
31
46
M8

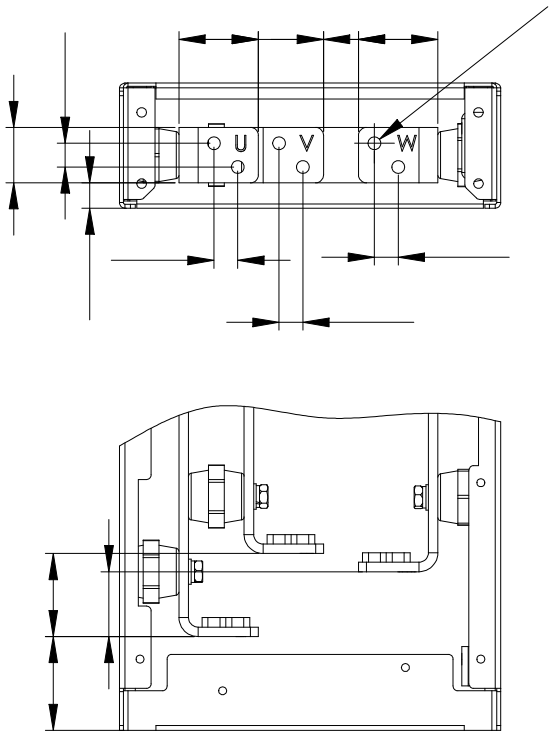

91
2-Ø11

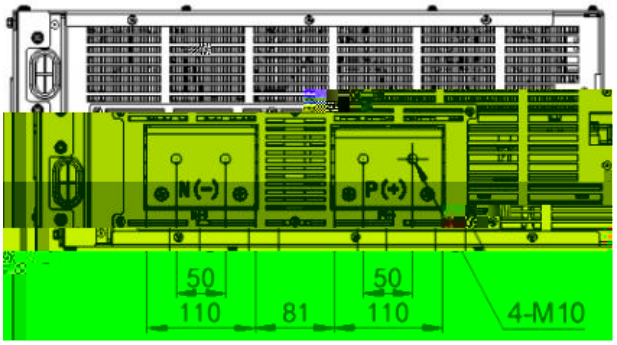

U
V
W
52
42

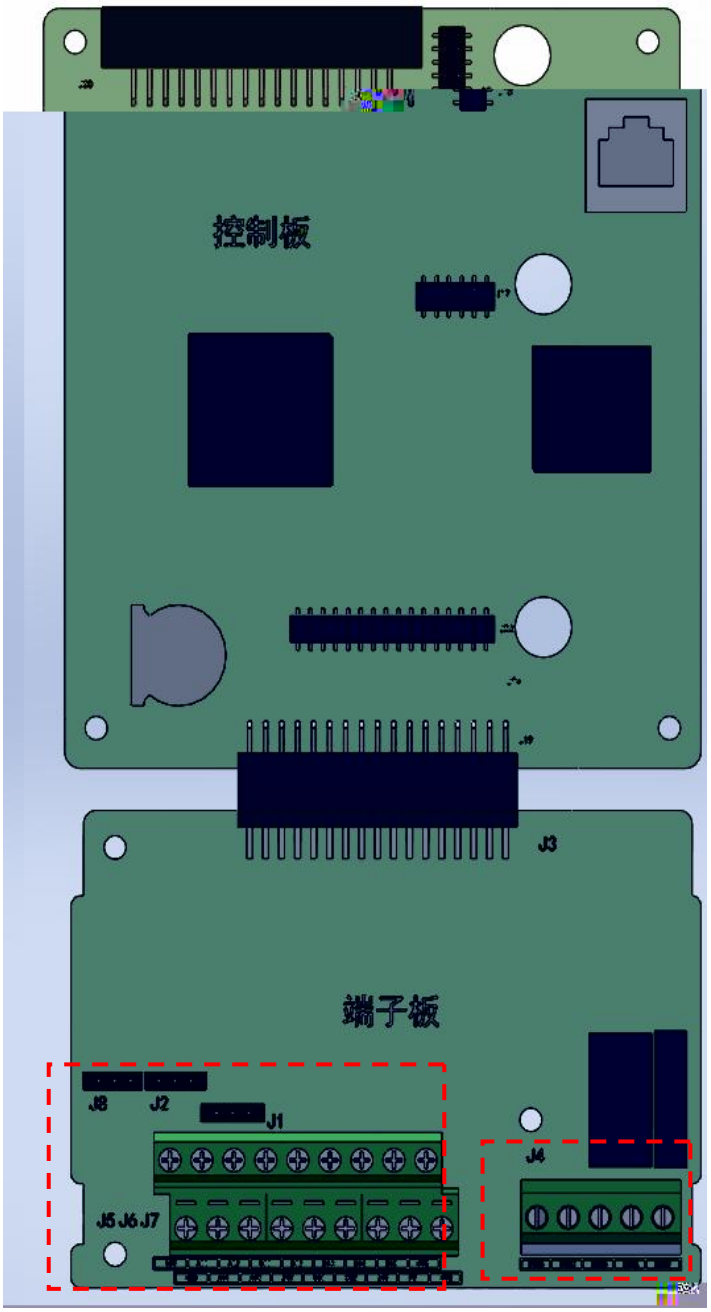

4-M10

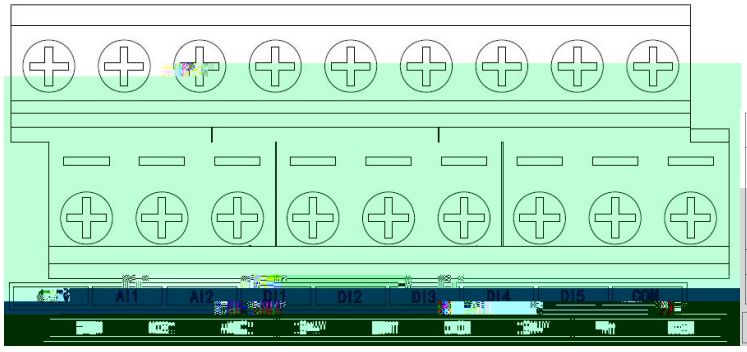


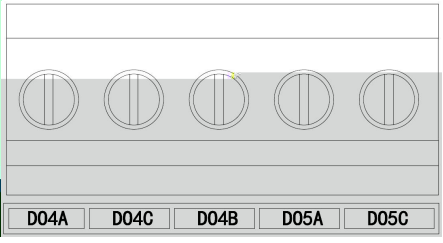

N(-)
P(+)
50
110
81
50
110
4-M10


U
V
W

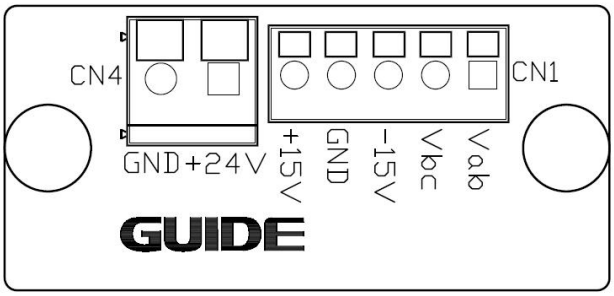

N(-)
P(+)
50
110
81
50
110
4-M10


控制板
J3
端子板
J8
J2
J1
J4
J5 J6 J7

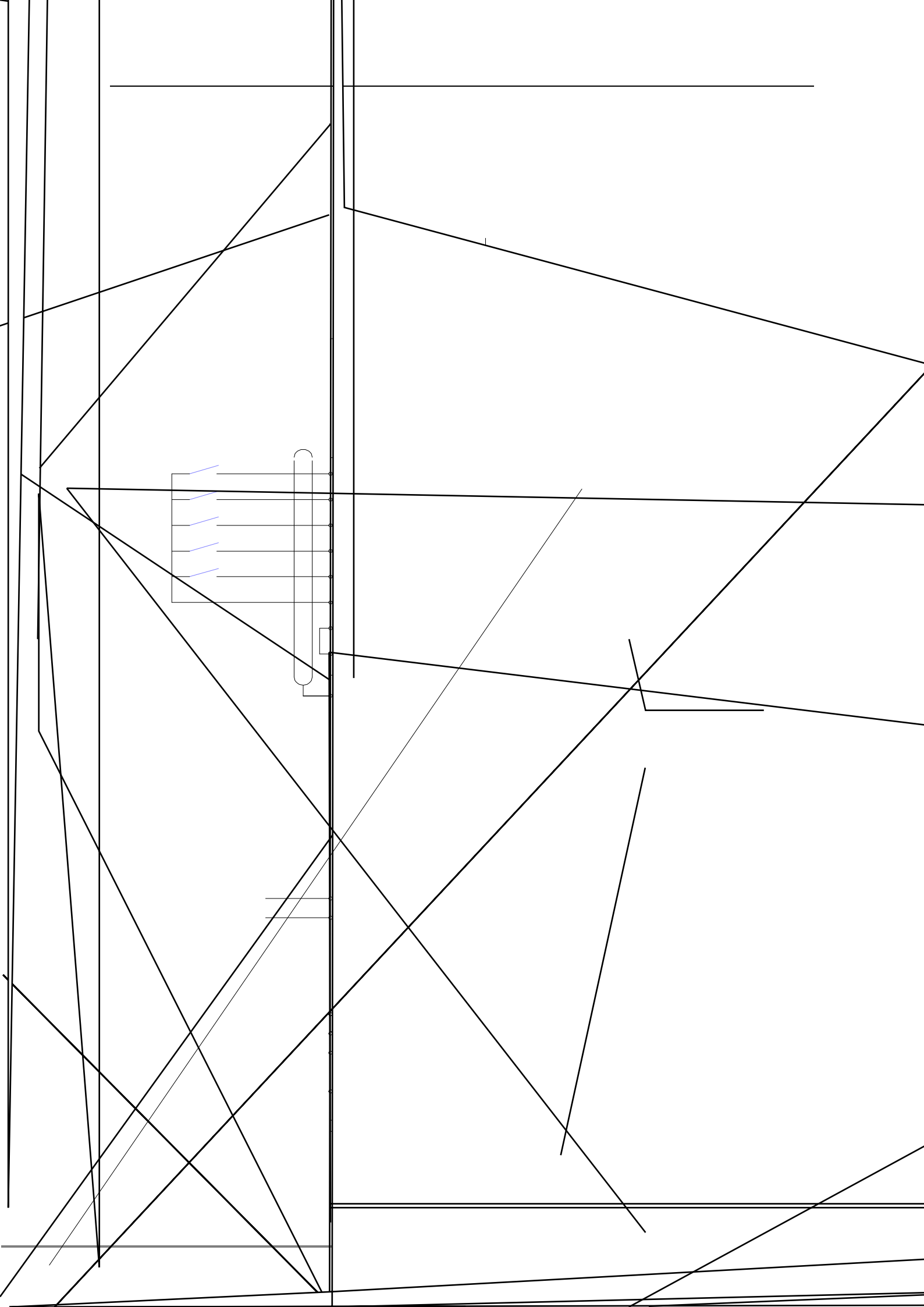

AI1
AI2
DI1
DI2
DI3
DI4
DI5
COM

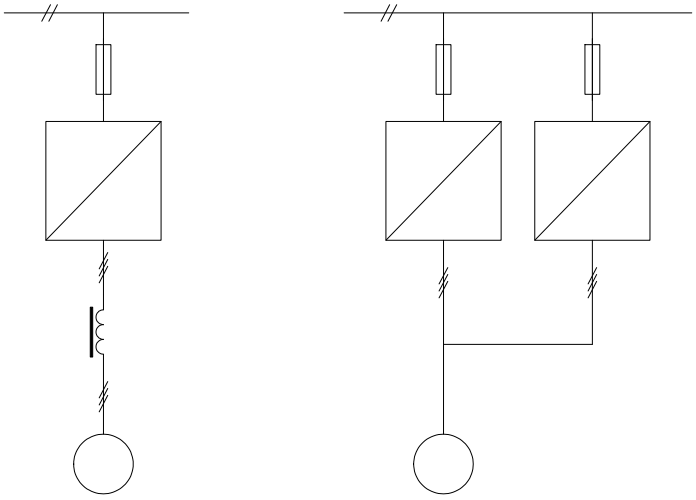

DO4A
DO4C
DO4B
DO5A
DO5C

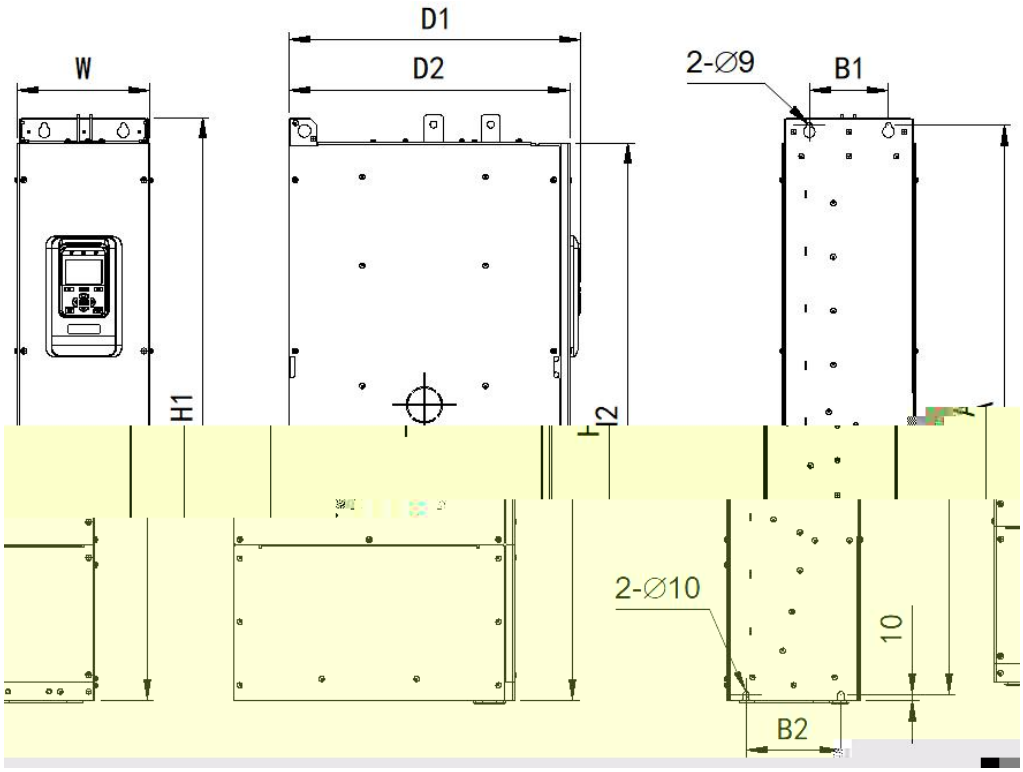
			ϕ
			ϕ

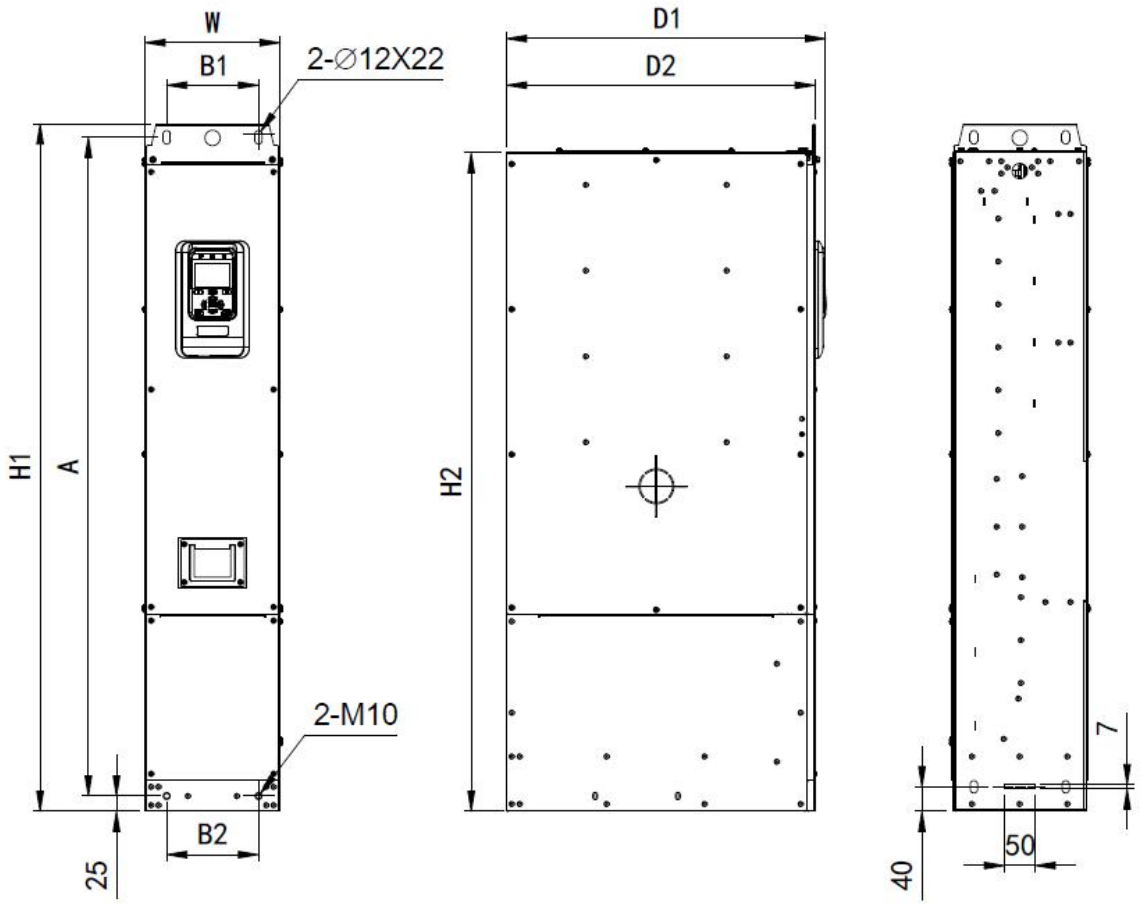


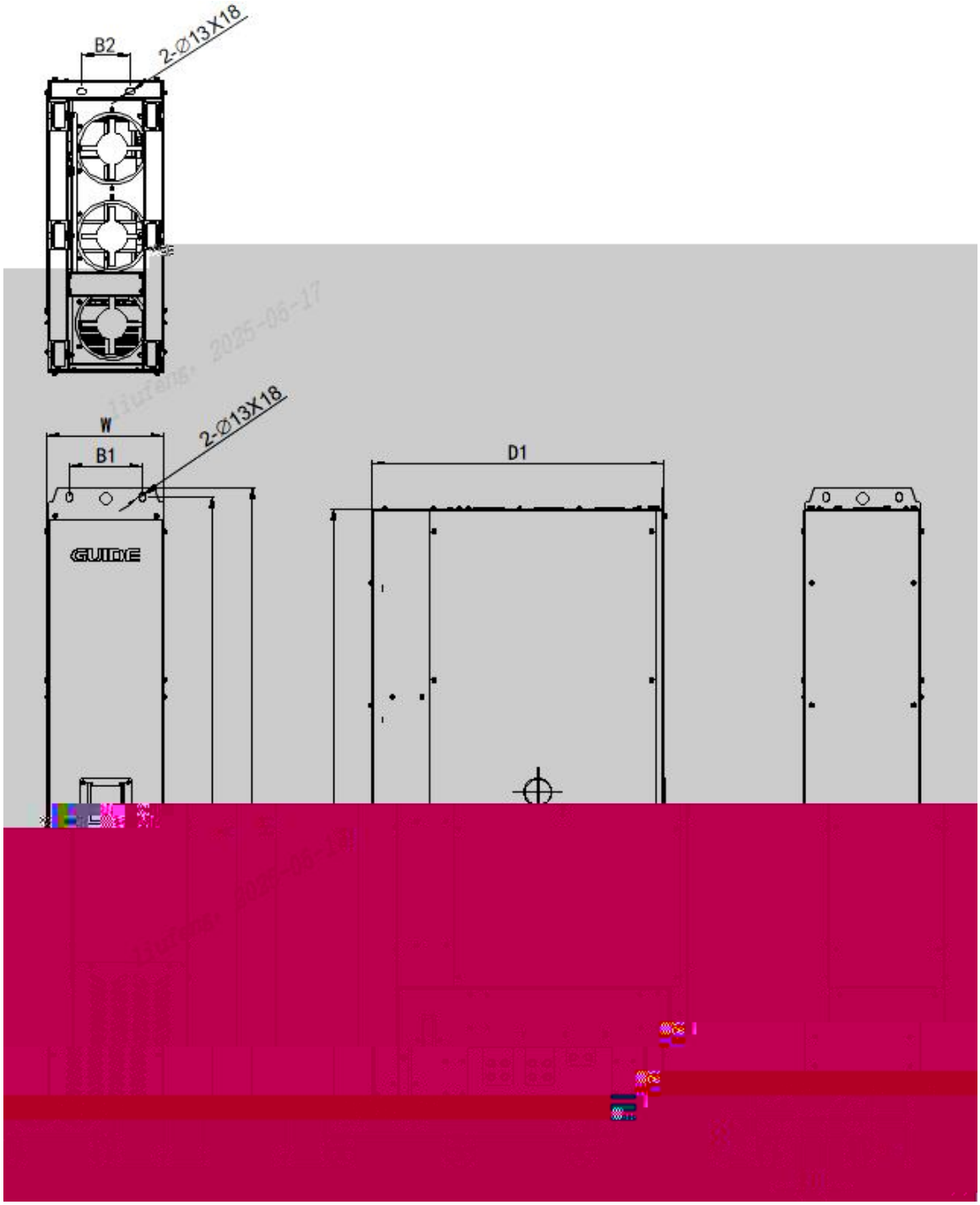
		类型和结构	功率：	电压等级		选配件（	
		02M：逆变模块	110=110kW				

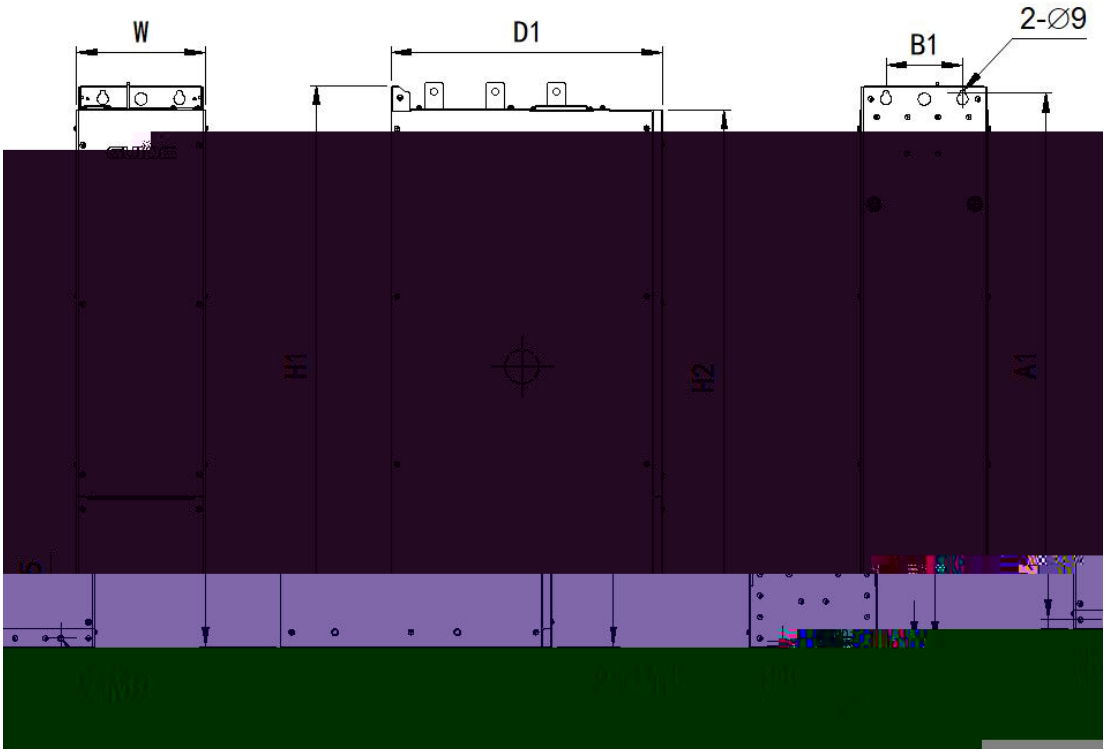


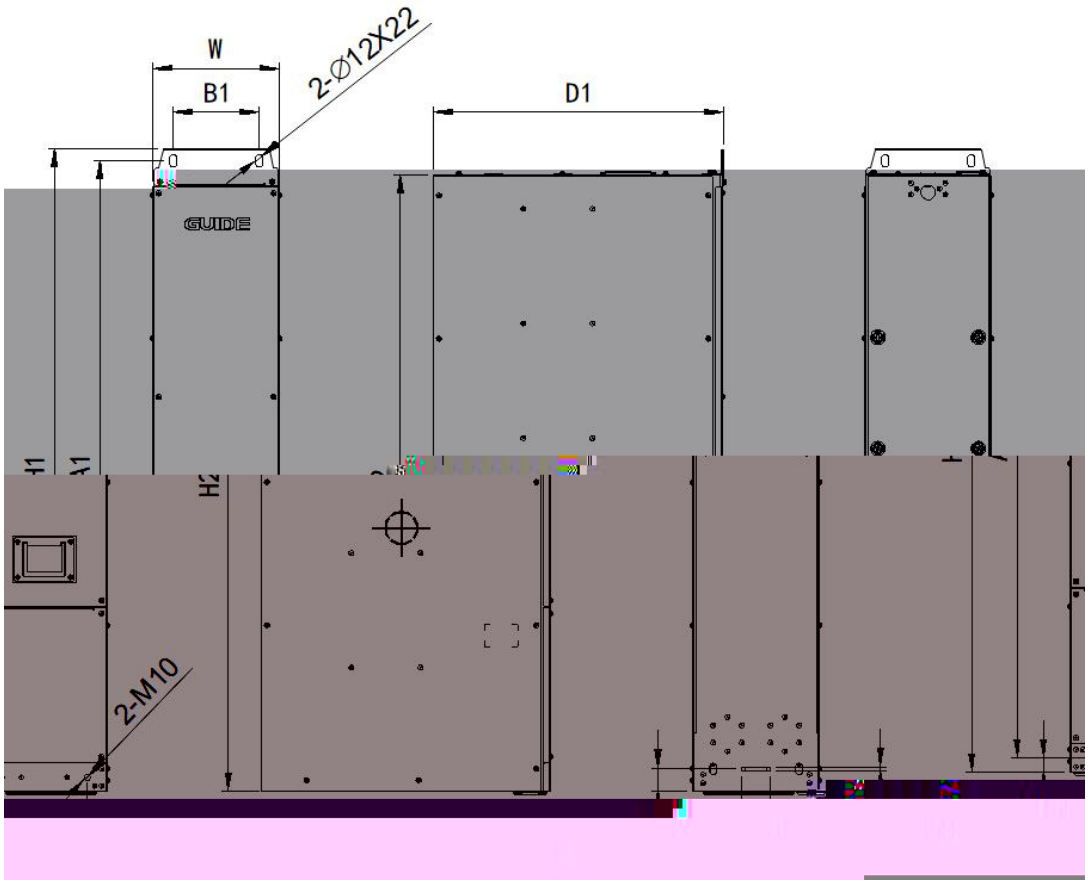


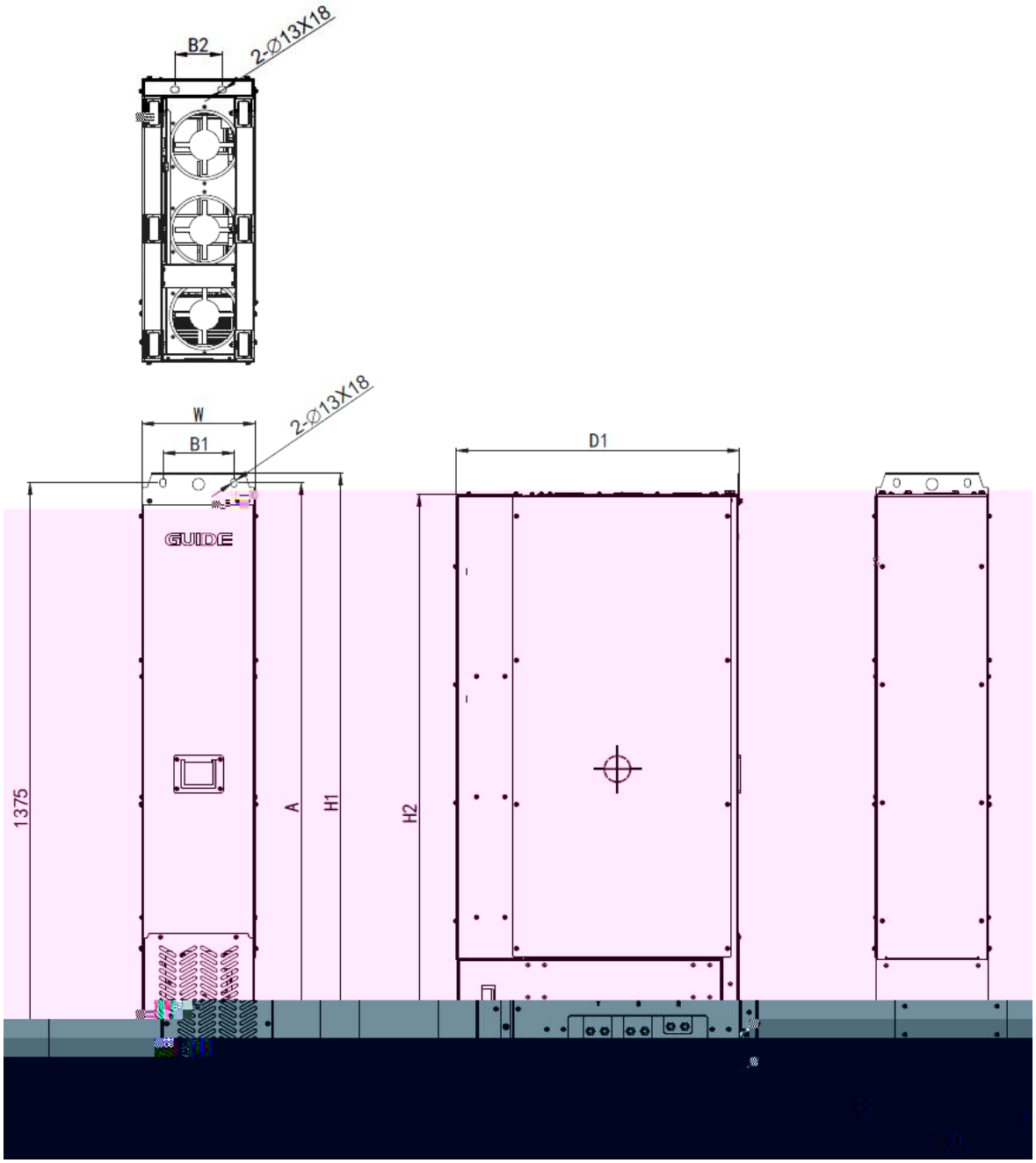

D1
D2
W
2-∅9
B1
H1
H2
2-∅10
10
B2

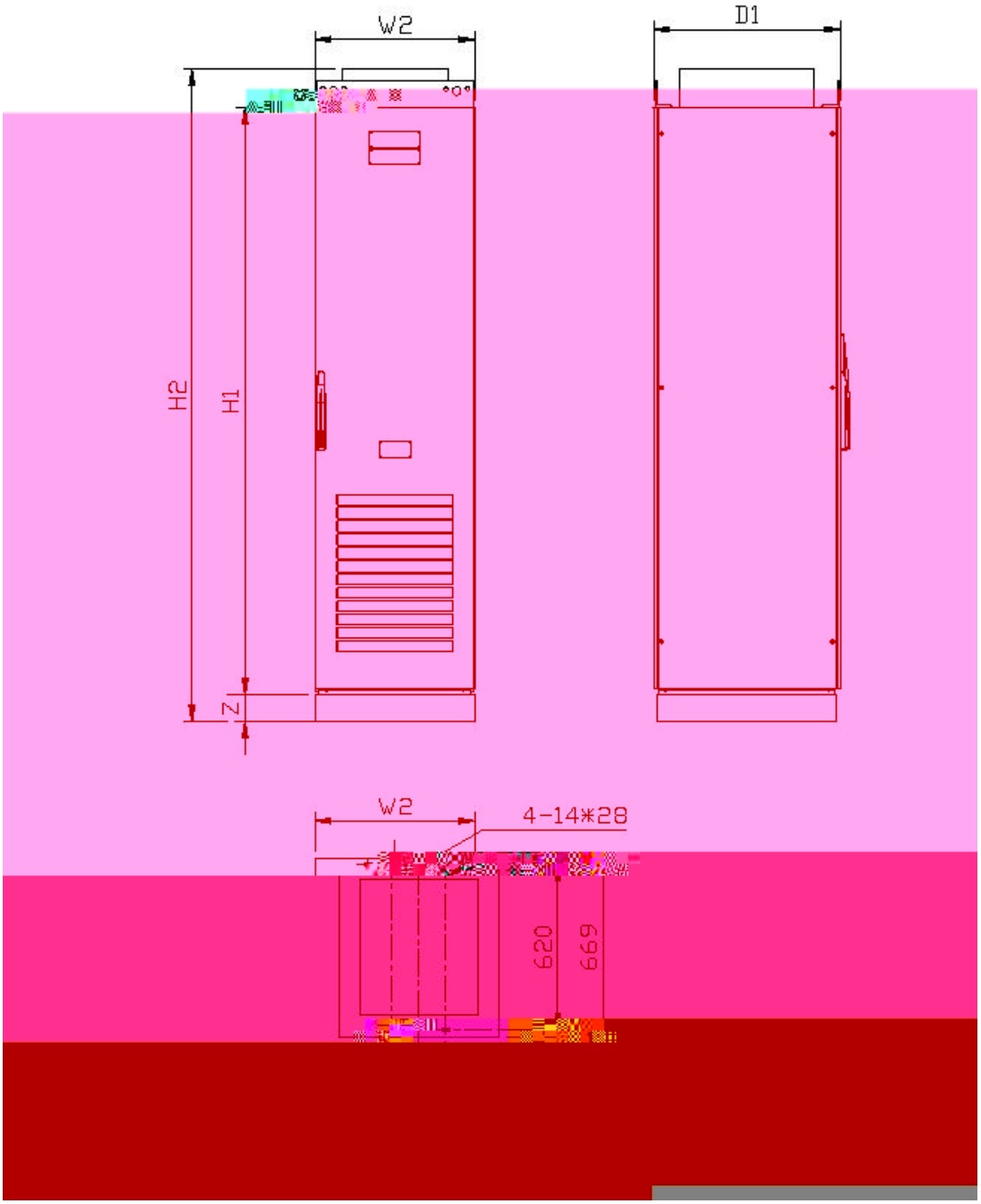

W
B1
2-∅12X22
H1
A
2-M10
B2
25
D1
D2
H2
7
50
40

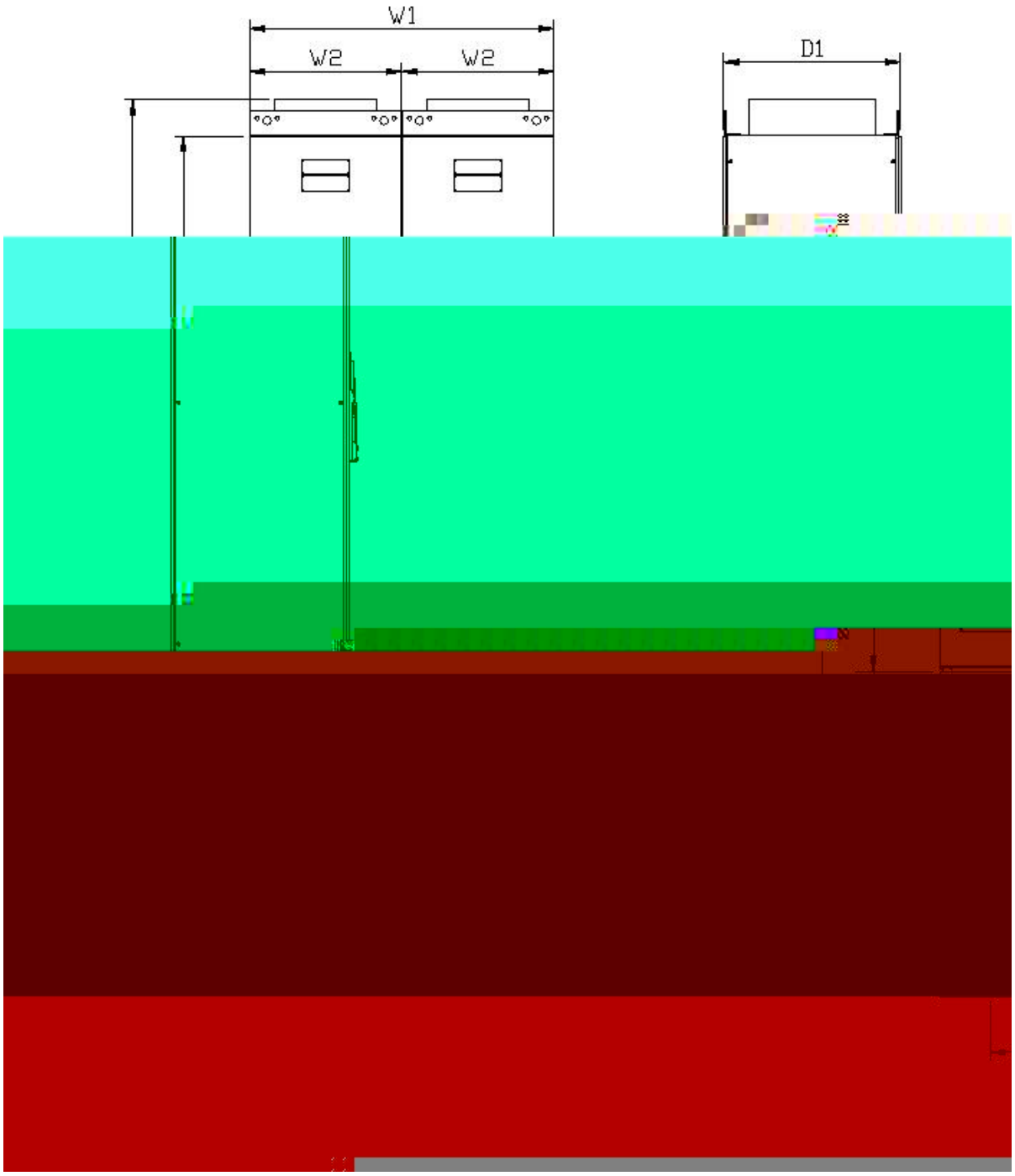

B2
2-Ø13X18
W
B1
2-Ø13X18
D1
GUIDE

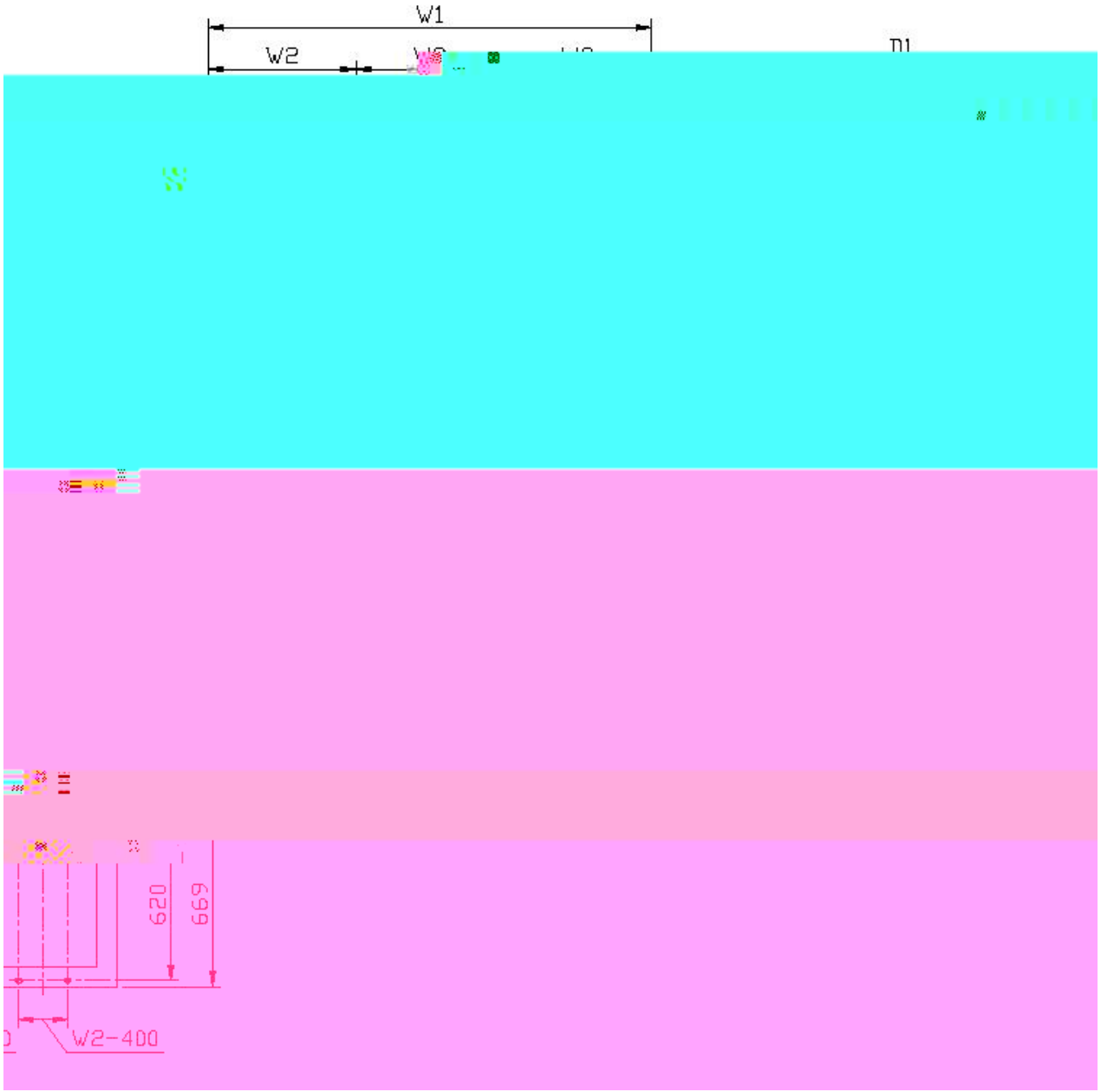

W
D1
B1
2-Ø9
H1
H2
A1

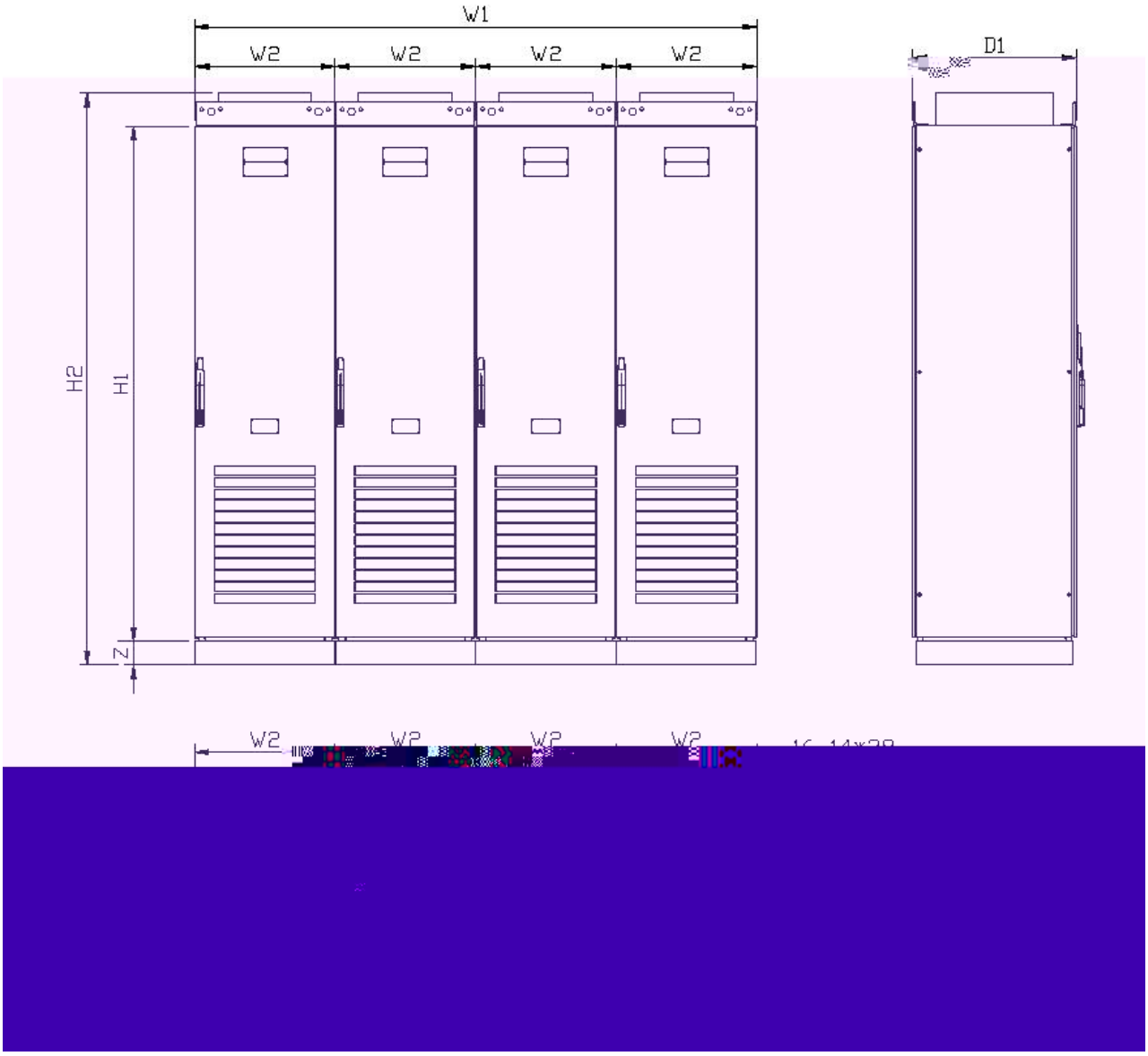

W
B1
2-Ø12X22
D1
GUIDE
H1
A1
H2
2-M10

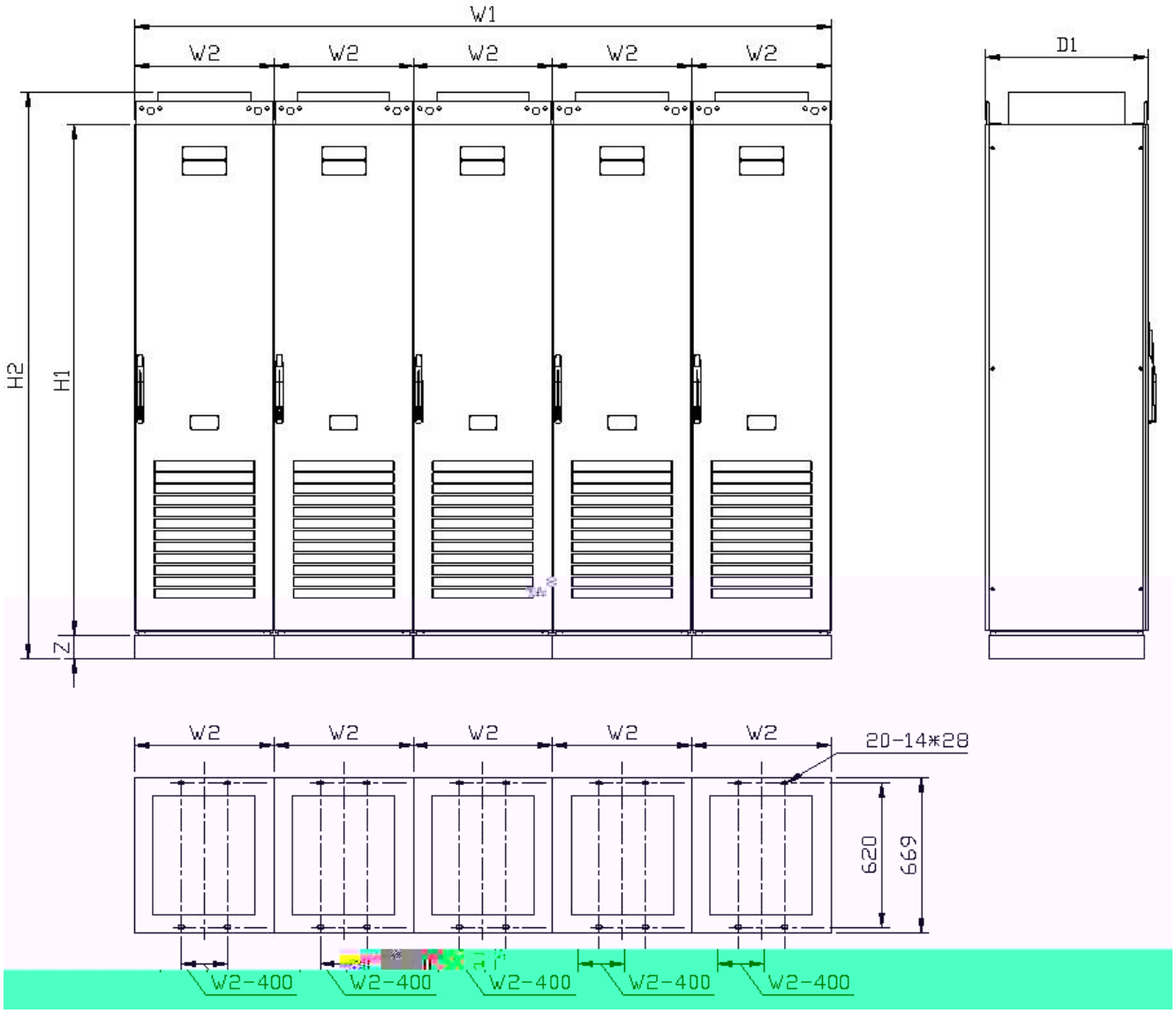

B2
2-Ø13X18
W
B1
2-Ø13X18
D1
GUIDE
1375
A
H1
H2

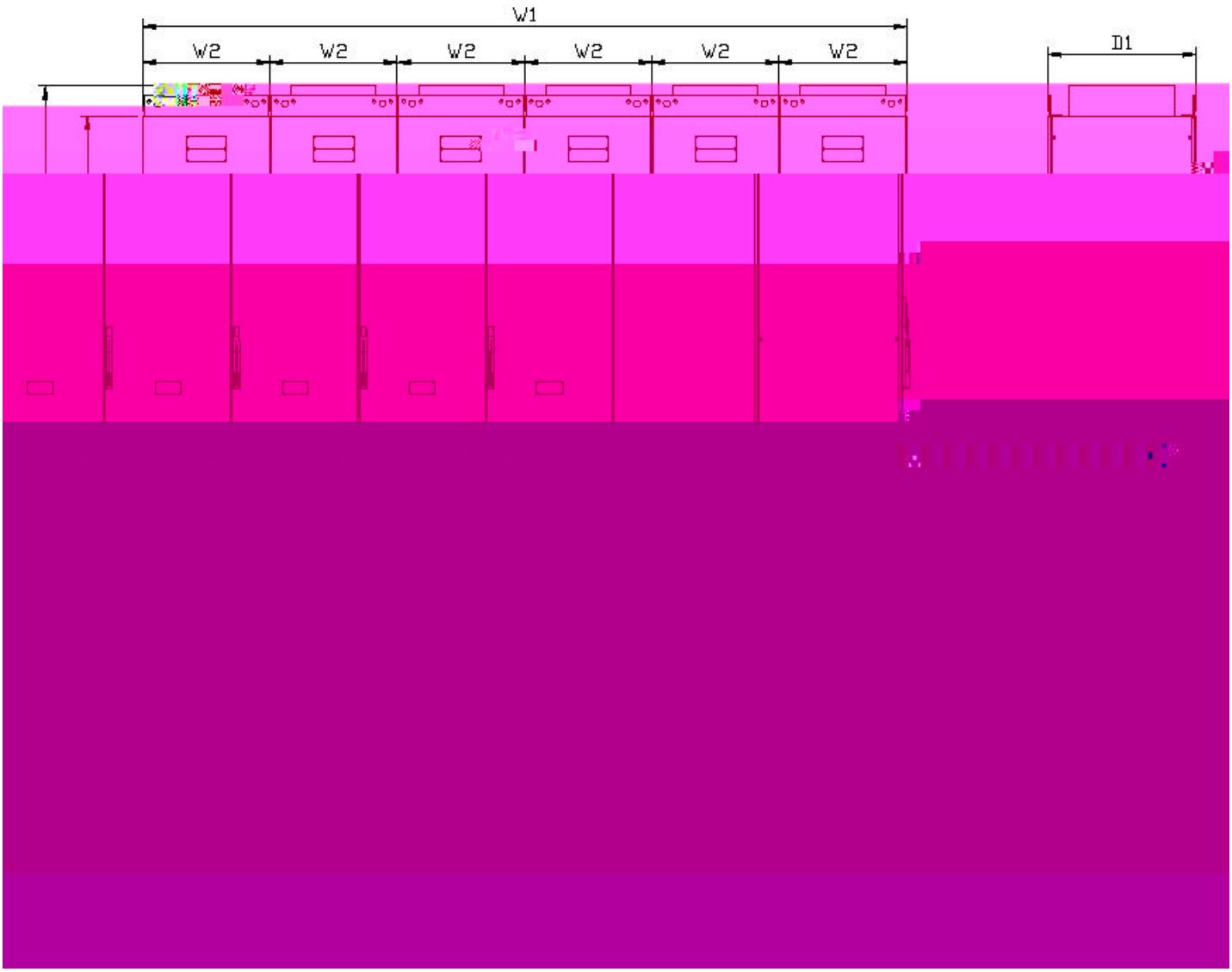

W2
D1
H2
H1
Z
W2
4-14*28
620
669

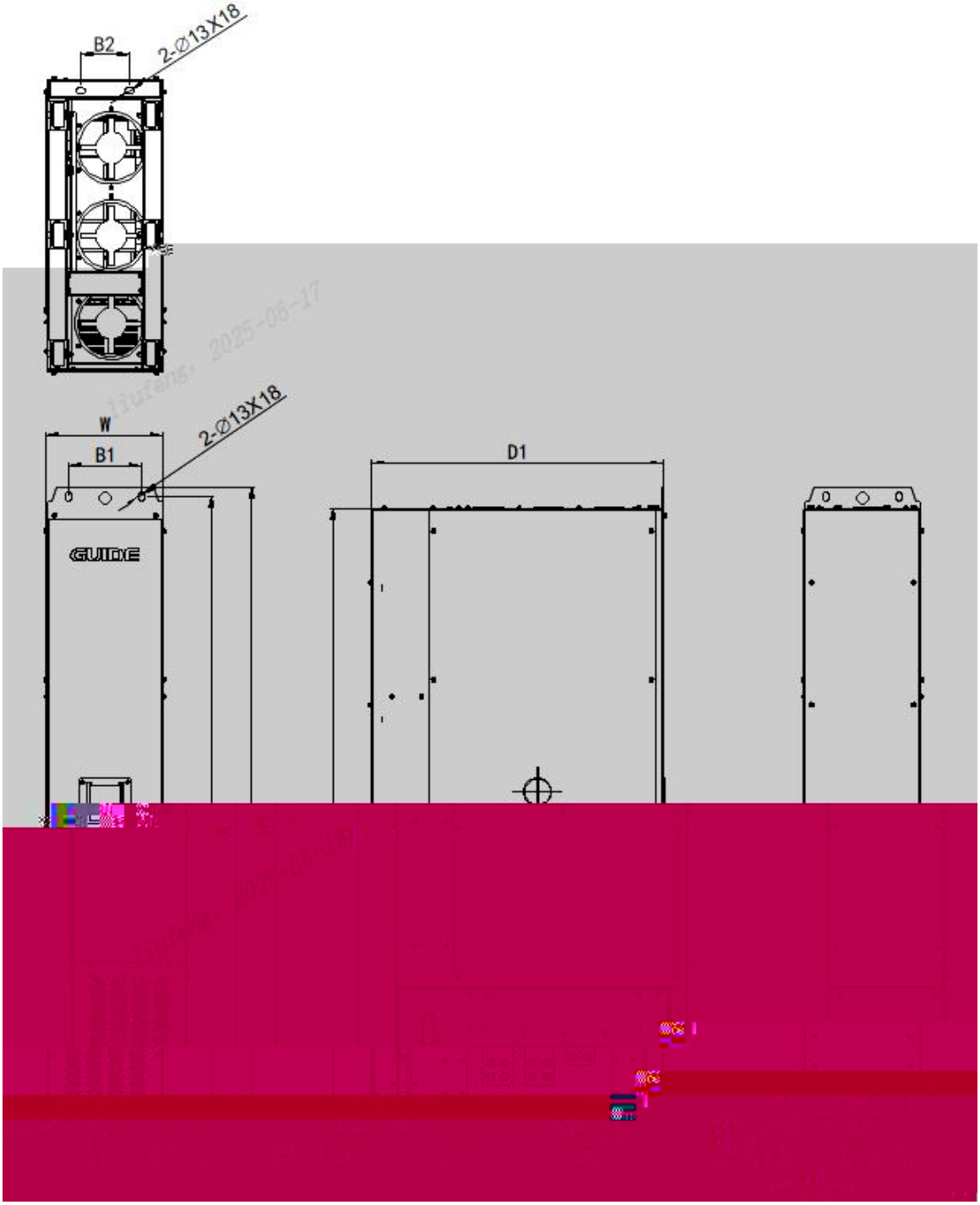

W1
W2
W2
D1

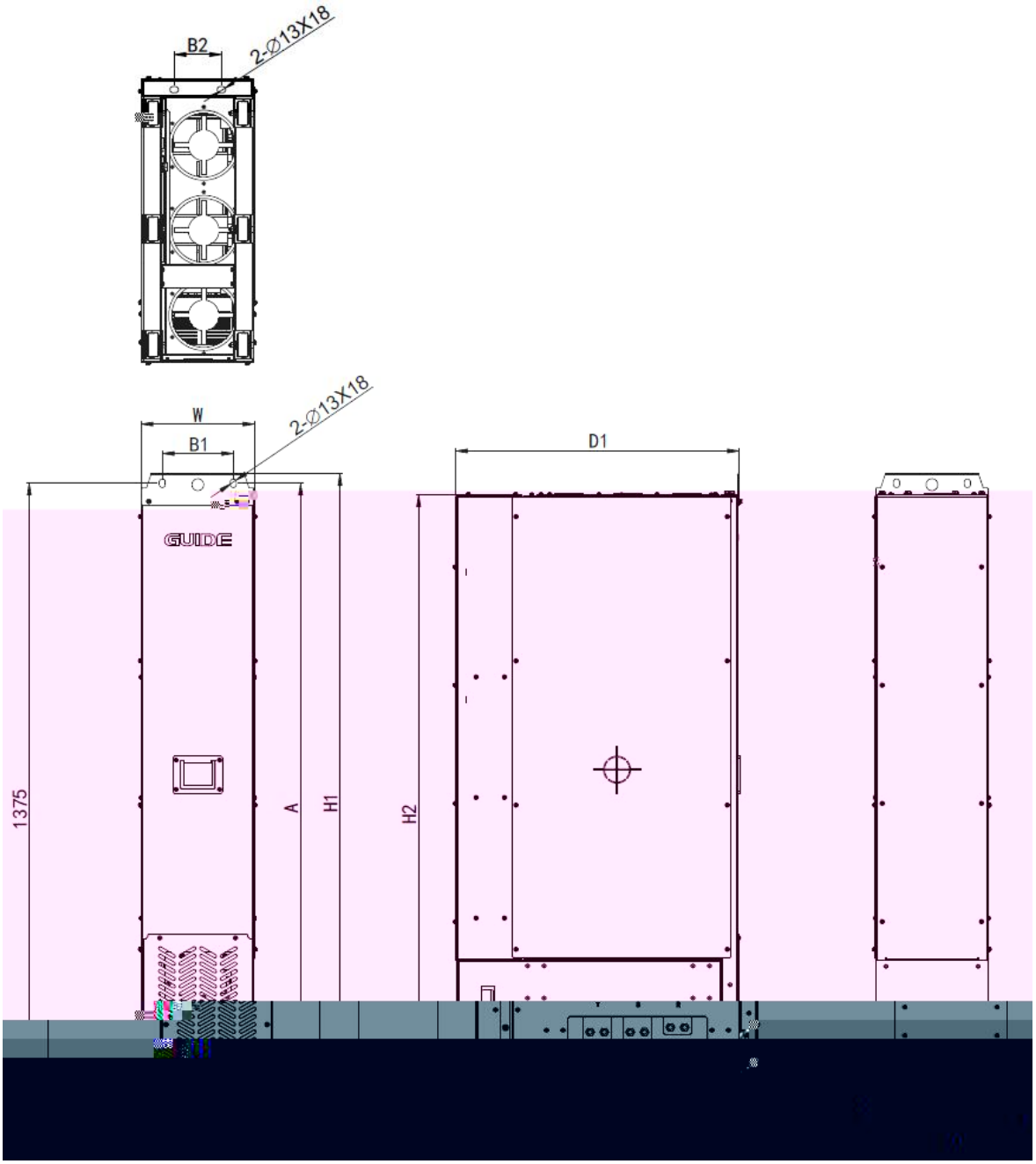

W1
W2
620
669
W2-400

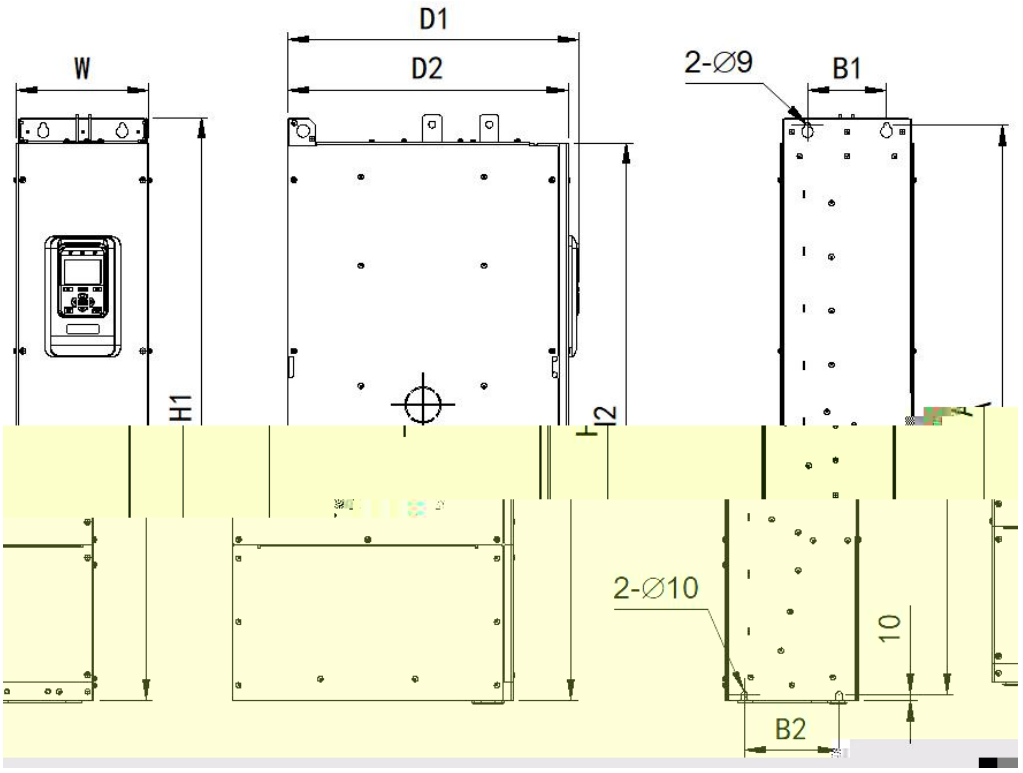

W1
W2
W2
W2
W2
D1
H2
H1
Z
W2
W2
W2
W2

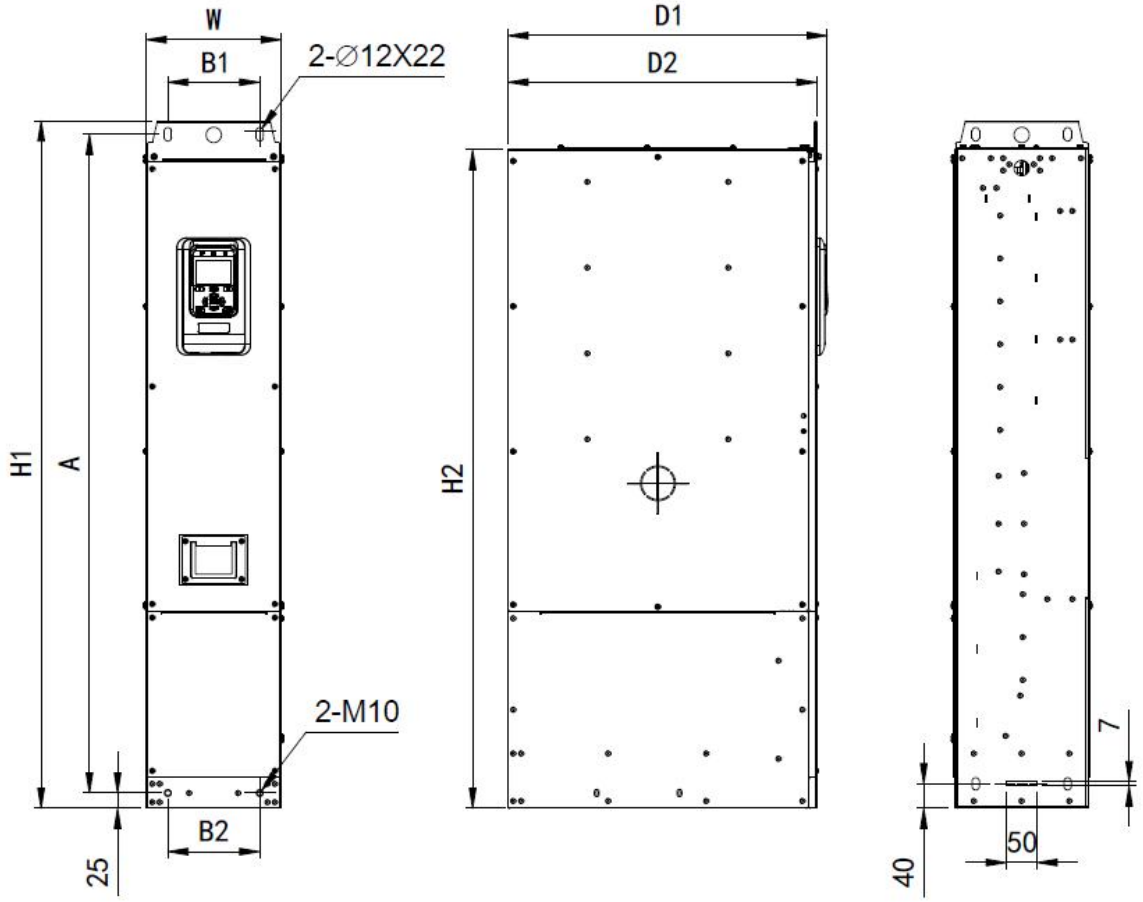

W1
W2
W2
W2
W2
W2
D1
H2
H1
Z
W2
W2
W2
W2
W2
20-14*28
620
669
W2-400
W2-400
W2-400
W2-400
W2-400

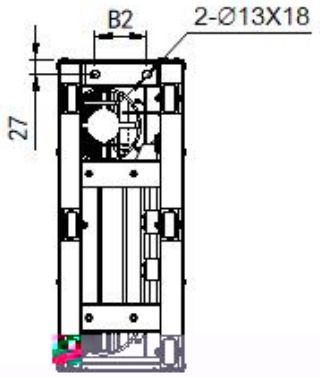

W1
W2
W2
W2
W2
W2
W2
D1

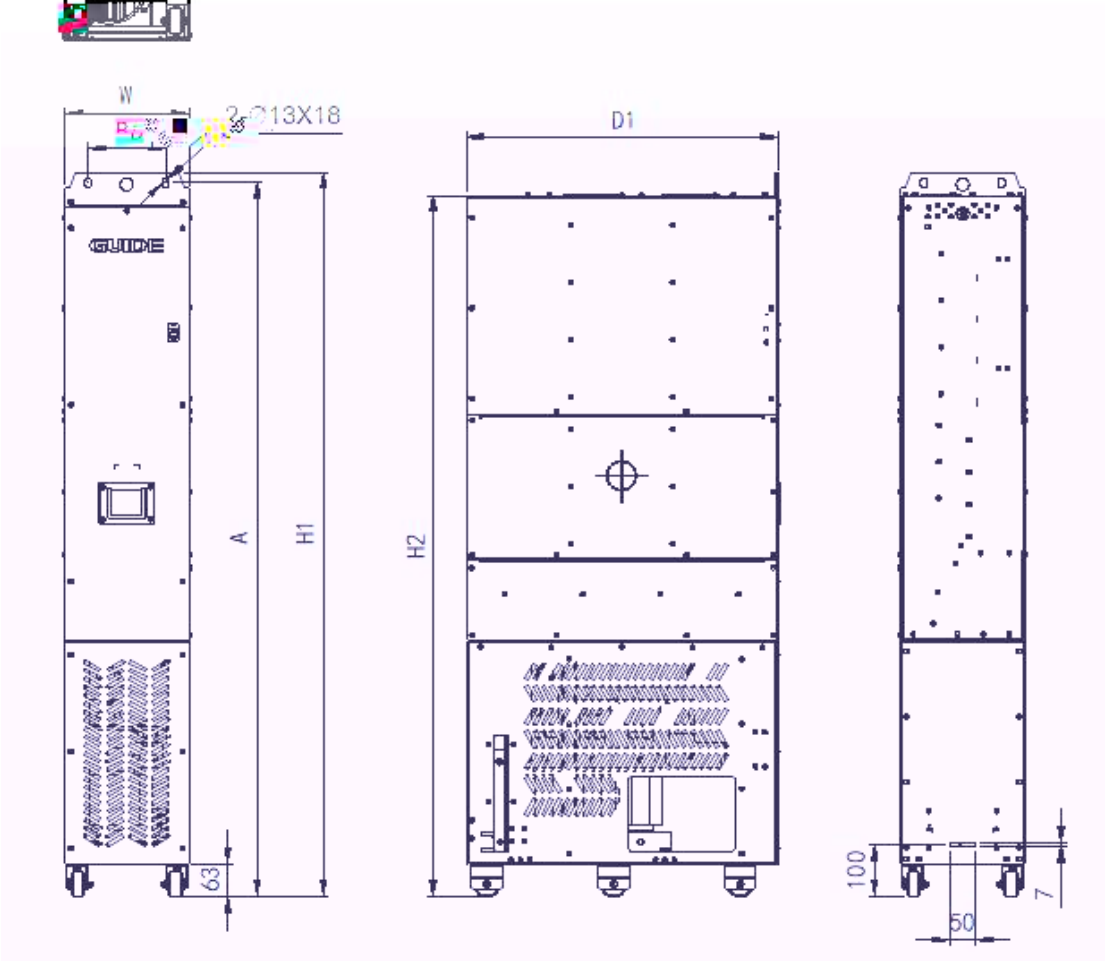

B2
2-∅13X18
W
B1
2-∅13X18
D1
GUIDE

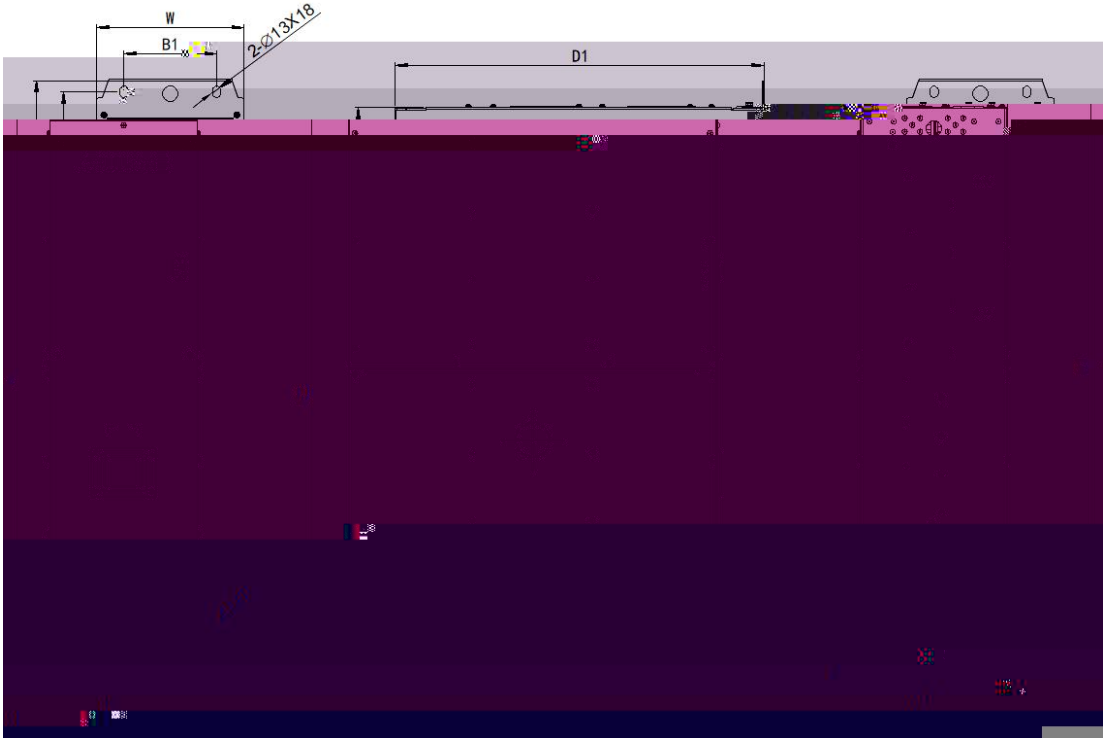

B2
2-Ø13X18
W
B1
2-Ø13X18
D1
GUIDE
1375
A
H1
H2

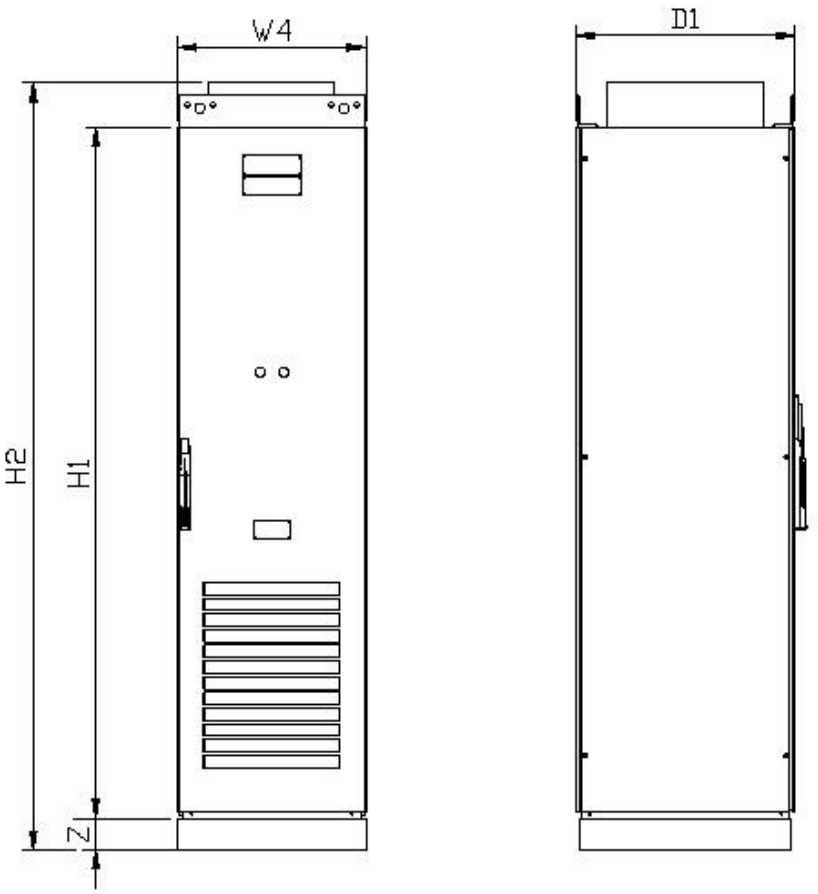

D1
D2
W
2-∅9
B1
H1
H2
2-∅10
10
B2

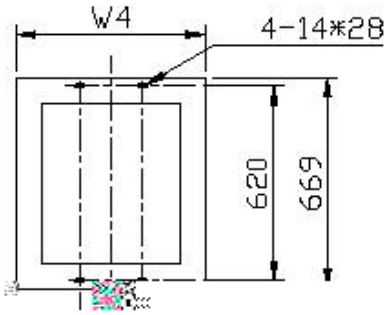

W
B1
2-∅12X22
H1
A
2-M10
B2
25
D1
D2
H2
7
50
40

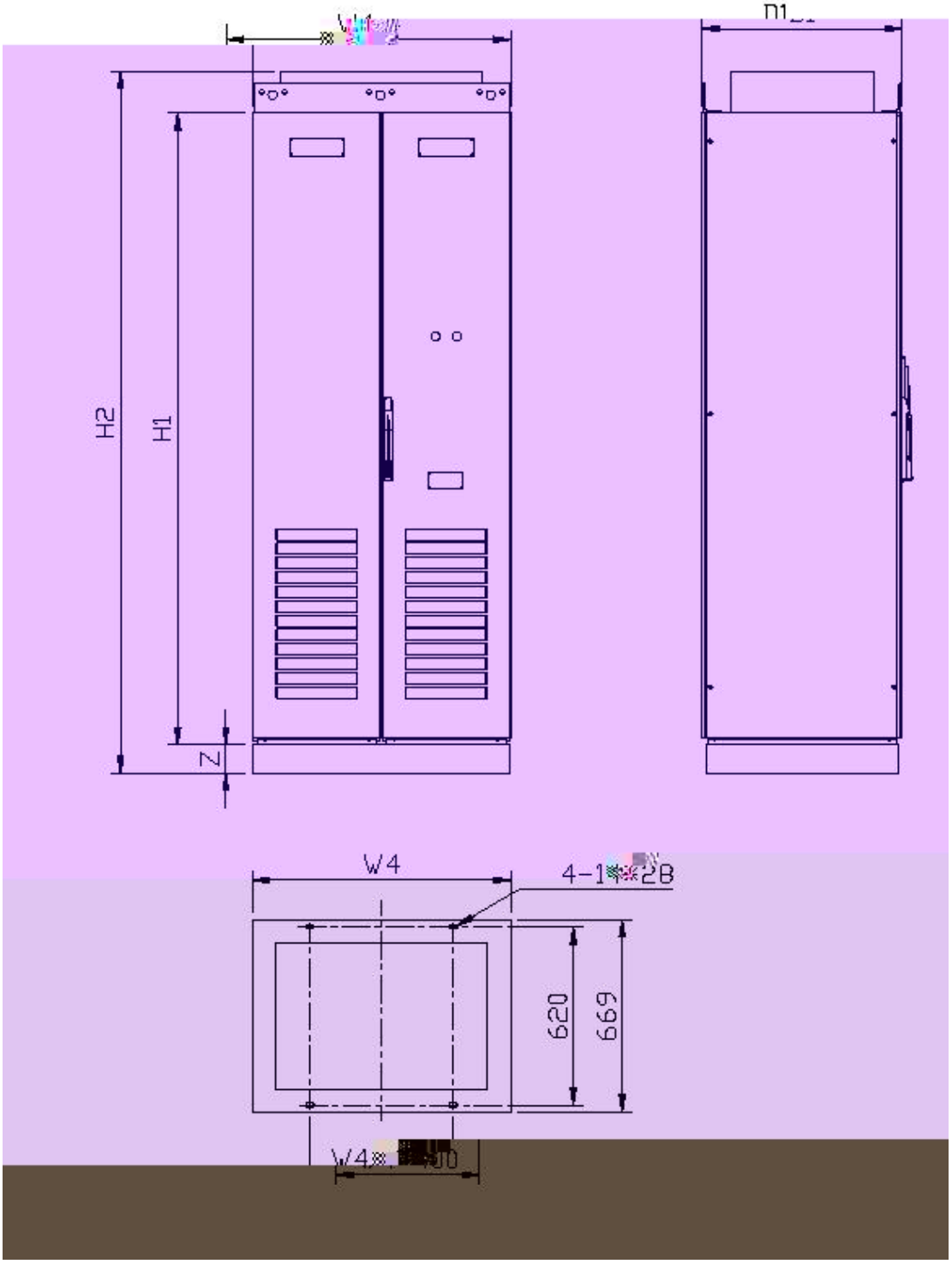

B2
2-Ø13X18
27

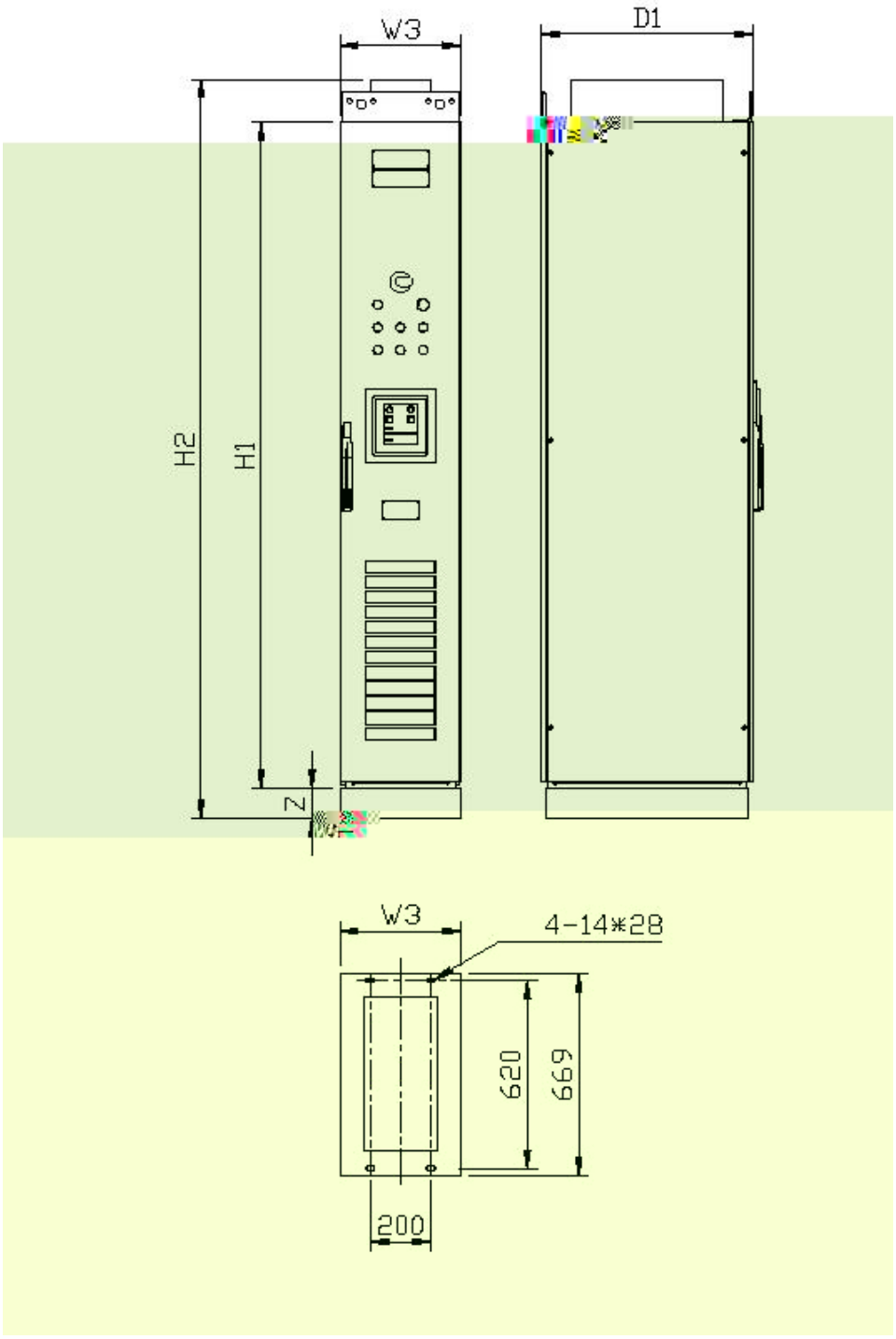

W
B2
2-Ø13X18
GUIDE
A
H1
63
D1
H2
100
50
7

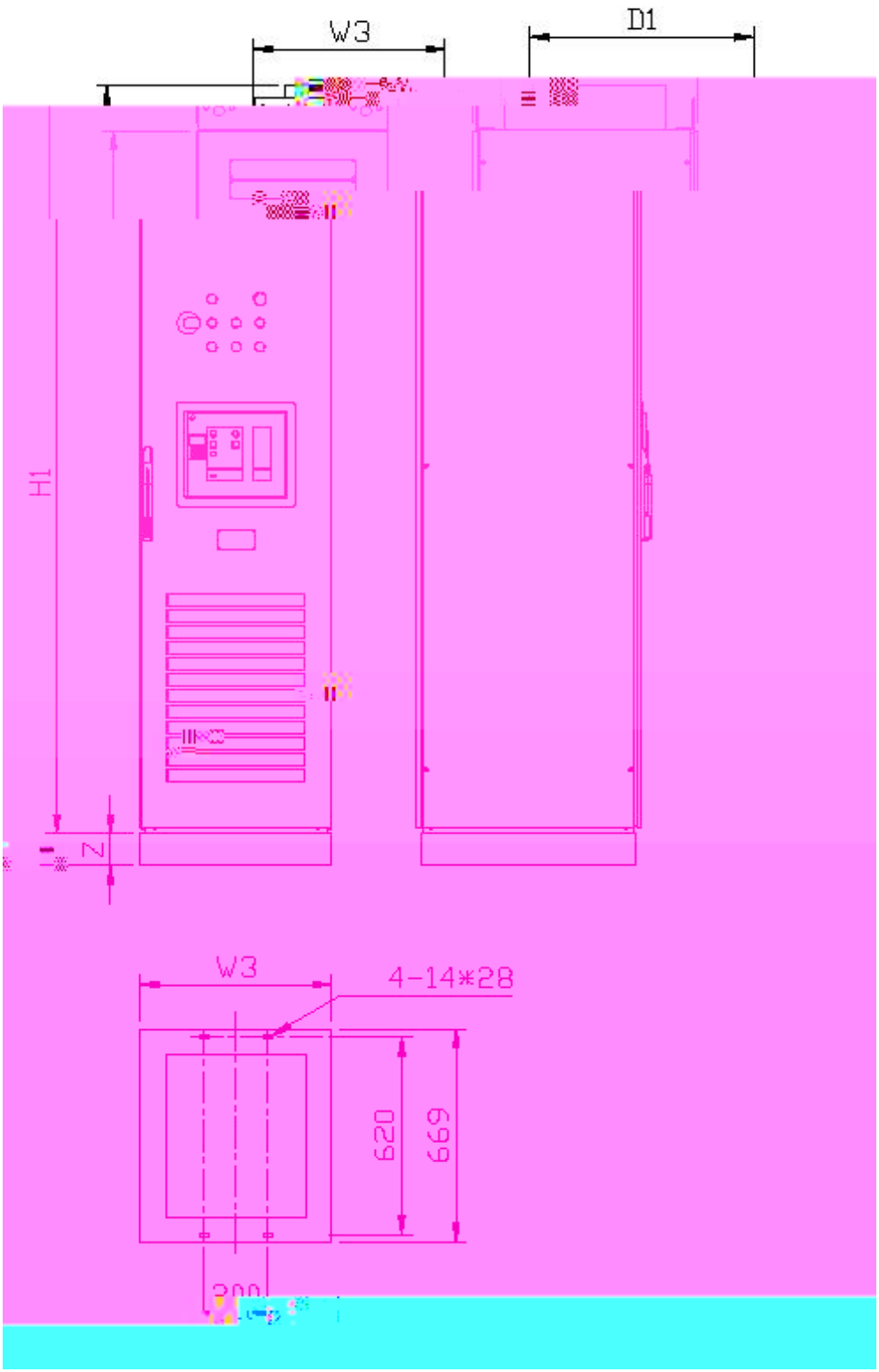

W
B1
2-Ø13X18
D1


W4
D1
H2
H1
Z

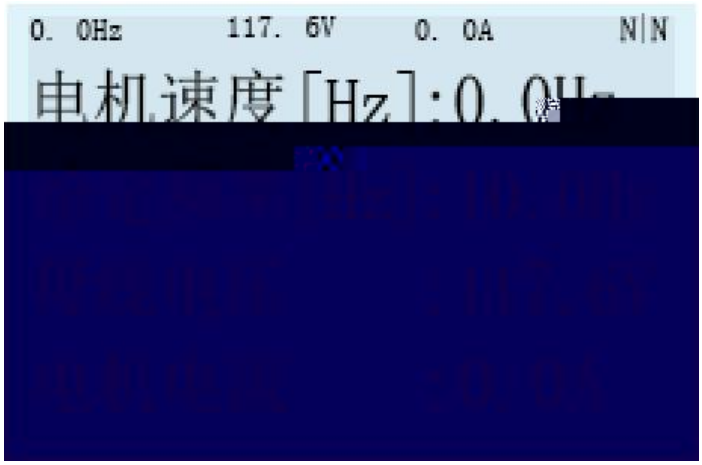

W4
4-14*28
620
669

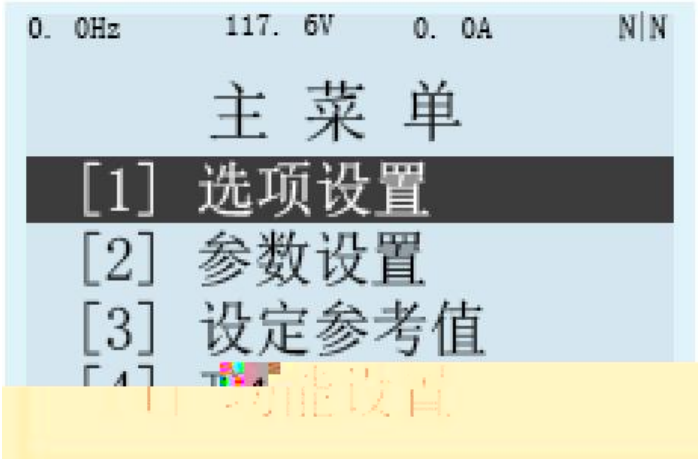

H2
H1
Z
W4
620
669

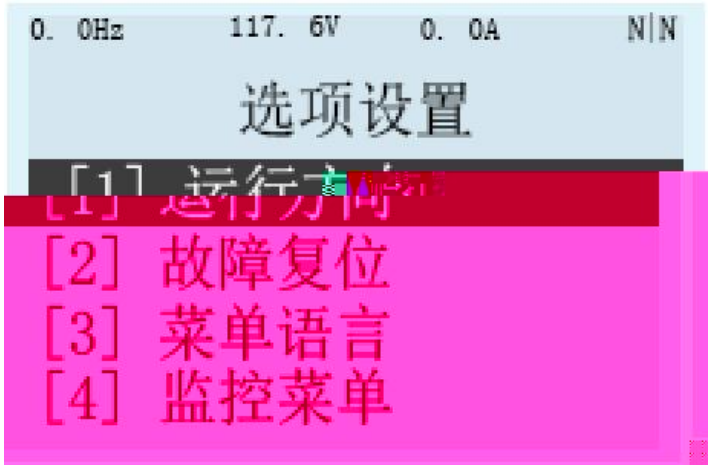

W3
D1
H2
H1
Z
W3
4-14*28
620
669
200


W3
D1
H1
Z
W3
4-14*28
620
669
200

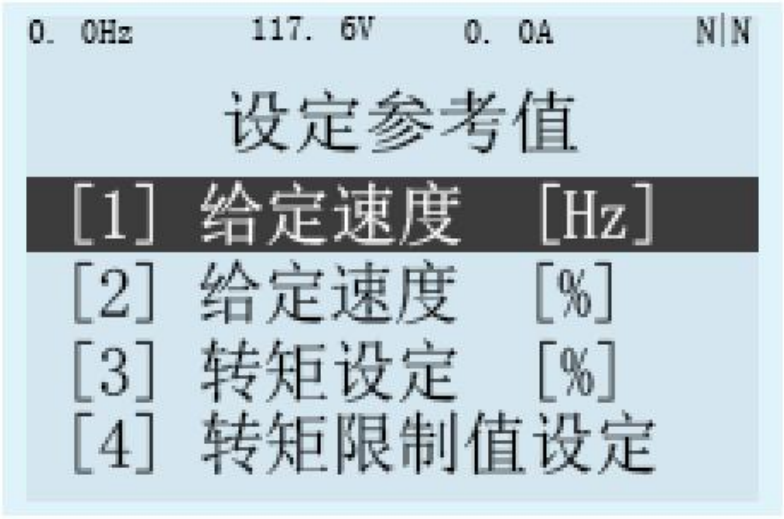
RUN
LOCAL
FAULT
0. 0Hz
117. 6V
0. 0A
N|N
电机速度[Hz]:0.0
F1
LOC/REM
F2
退出键
正/转选择键
确定键
左键/复位键
ENTER
上，下，右方向键
RUN
STOP
停止键

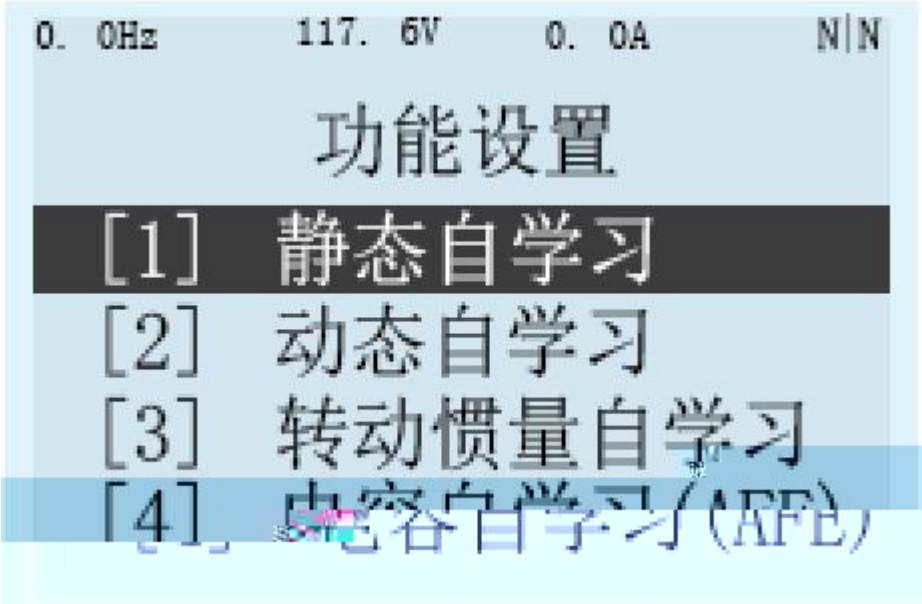

0. 0Hz
117. 6V
0. 0A
N|N

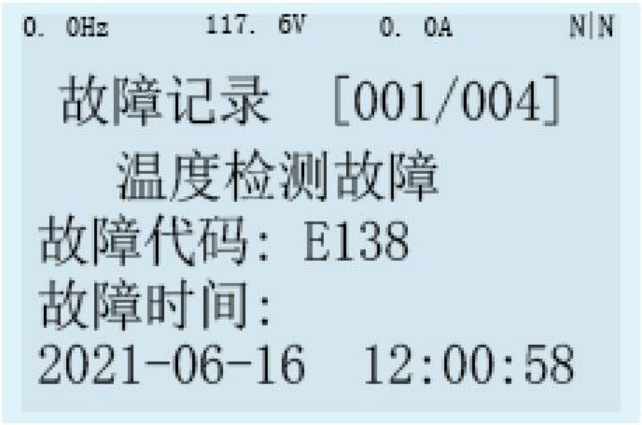

0. 0Hz
117. 6V
0. 0A
N|N
主 菜 单
[1] 选项设置
[2] 参数设置
[3] 设定参考值

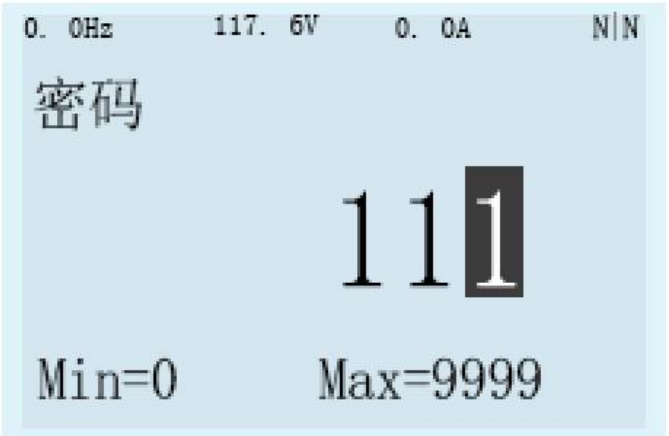

0. 0Hz
117. 6V
0. 0A
N|N
选项设置
[2] 故障复位
[3] 菜单语言
[4] 监控菜单

0. 0Hz
117. 6V
0. 0A
N|N
参数设置
P00 参数控制
P02 并机和面板设置
P03 数字输入端子组
P04 数字输出端子组


0. 0Hz
117. 6V
0. 0A
N|N
设定参考值
[1] 给定速度 [Hz]
[2] 给定速度 [%]
[3] 转矩设定 [%]
[4] 转矩限制值设定


0. 0Hz
117. 6V
0. 0A
N|N
功能设置
[1] 静态自学习
[2] 动态自学习
[3] 转动惯量自学习
[4] 电容自学习(AFE)


0. 0Hz
117. 6V
0. 0A
N|N
故障记录 [001/004]
温度检测故障
故障代码: E138
故障时间:
2021-06-16 12:00:58


0. 0Hz
117. 6V
0. 0A
N|N
密码
111
Min=0
Max=9999

	参数	名称	值	单位
	100.15	DO 功能本地测试 1	1	
	100.16	DO 功能本地测试 2	0	
	100.17	DO 功能本地测试 3	0	

参数	名称	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
101.5	数字量输入端子 [01 ~ 16]																
101.6	数字量输出端子 [01 ~ 16]																

运行

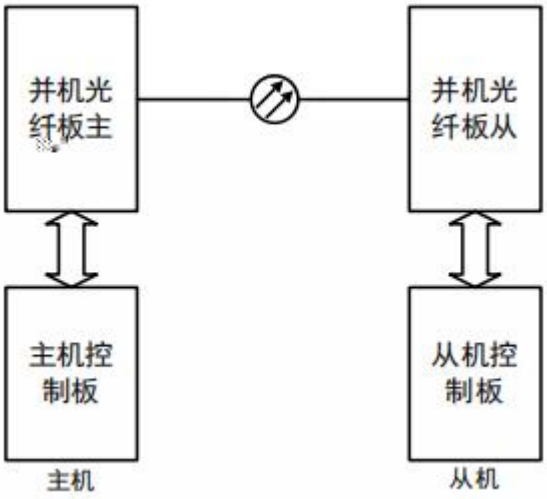
停止

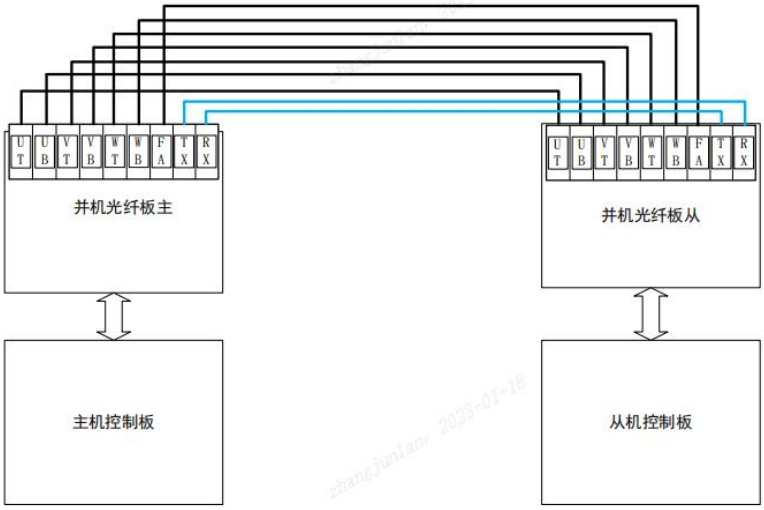
运行

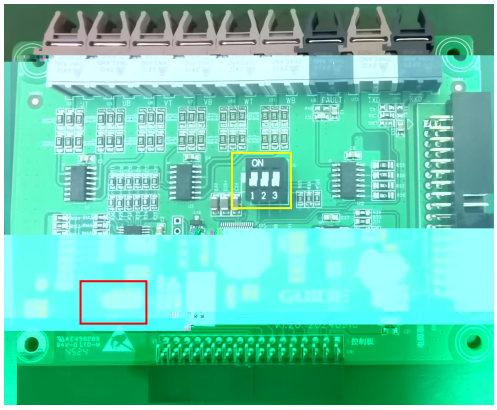
停止

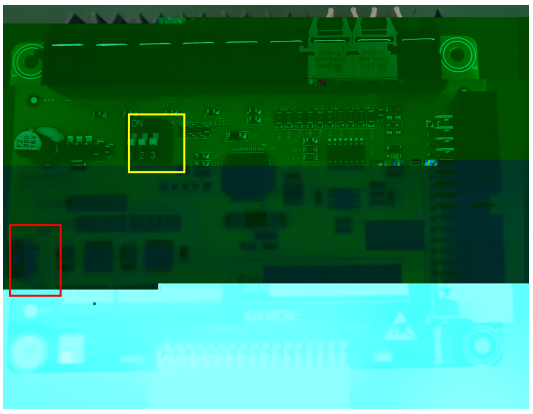
电容自学习

停止


并机光纤板主
并机光纤板从
主机控制板
从机控制板
主机
从机


UT
UB
VT
VB
WT
WB
FA
TX
RX
并机光纤板主
并机光纤板从
主机控制板
从机控制板


ON
1 2 3



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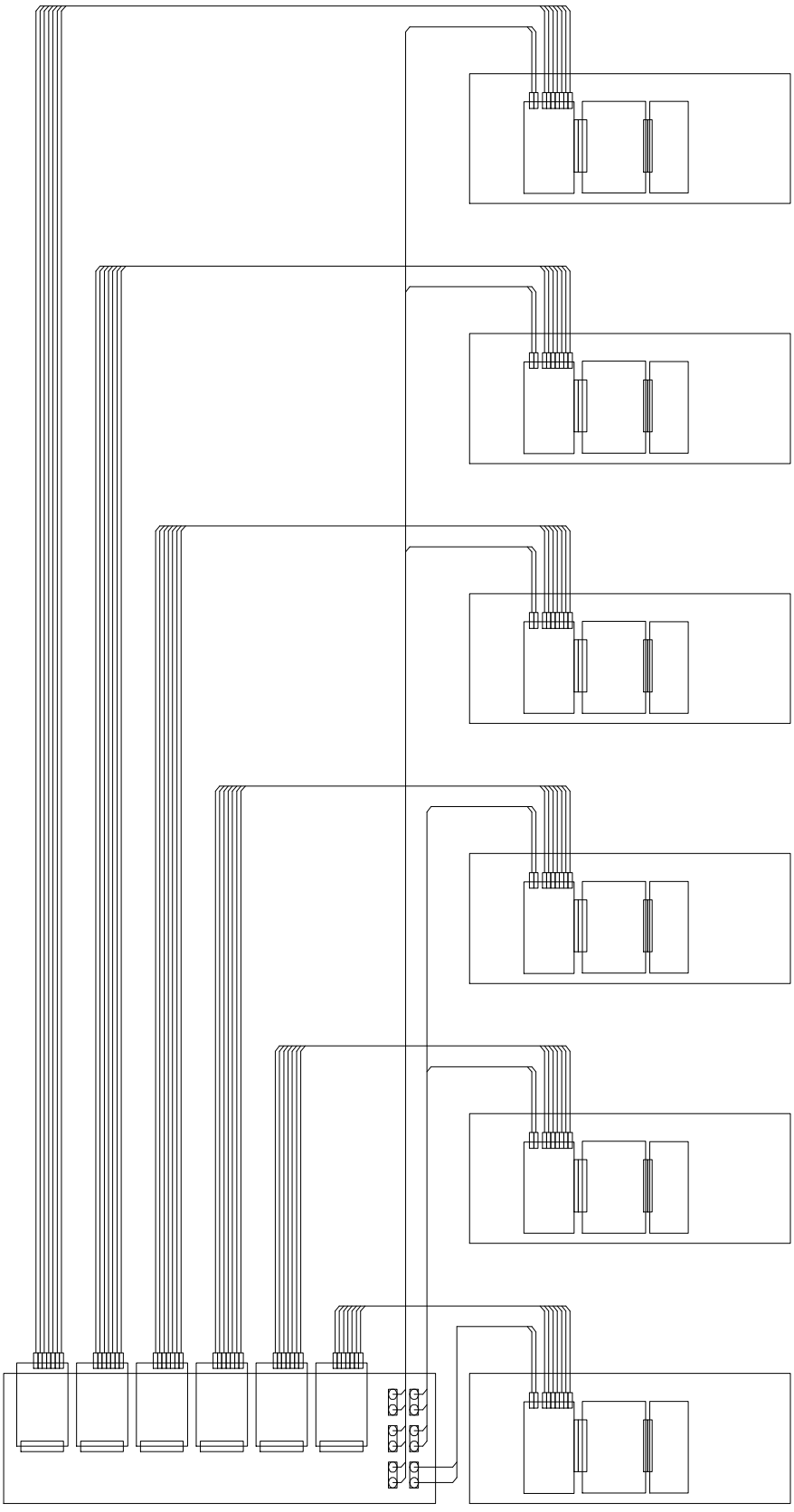
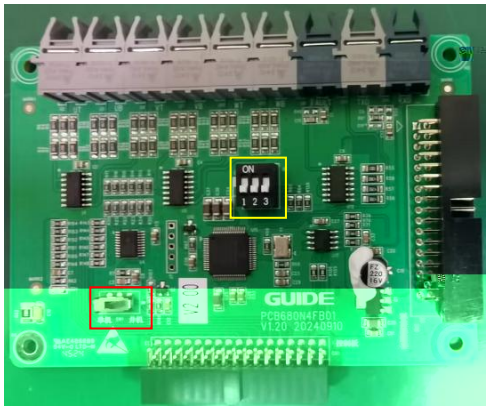
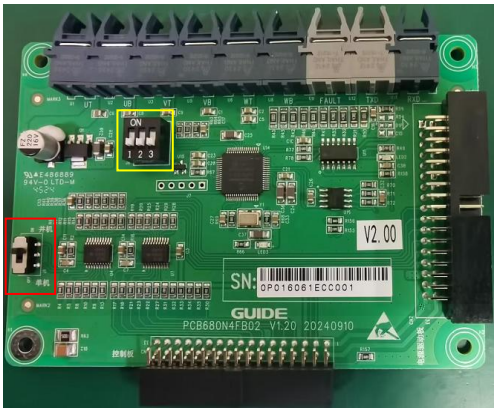
GUIDE




ON
1 2 3
GUIDE
PCB680N4FB01
V1.20 20240910


ON
1 2 3
V2.00
SN:
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GUIDE
PCB680N4FB02 V1.20 20240910

GUIDE

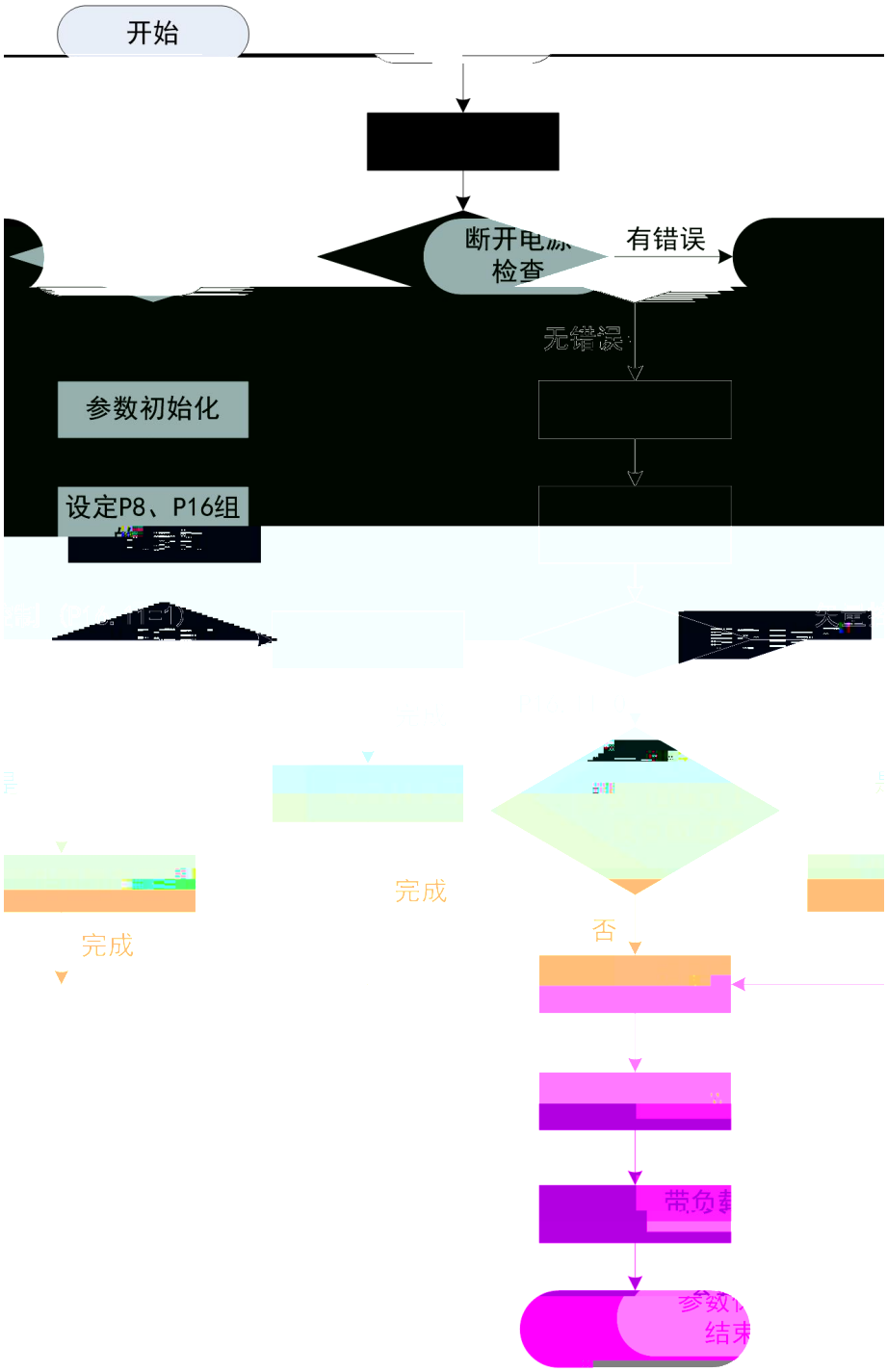
运行

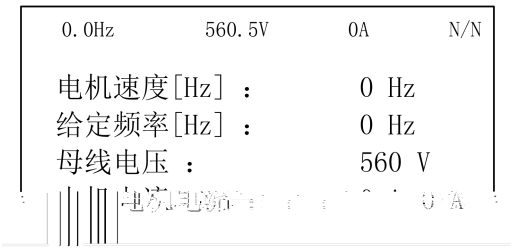
停止

运行

停止

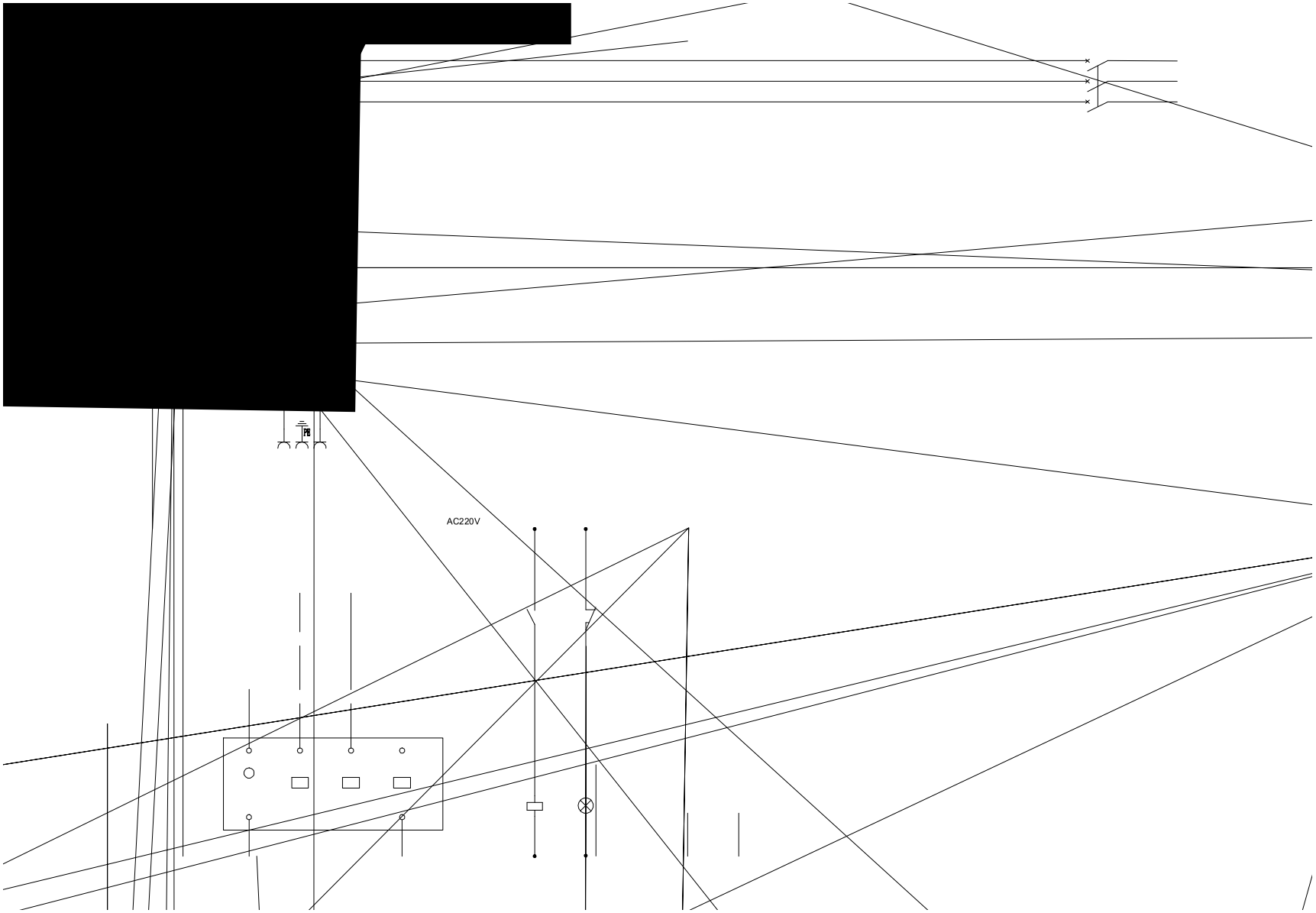
电容自学习　　停止

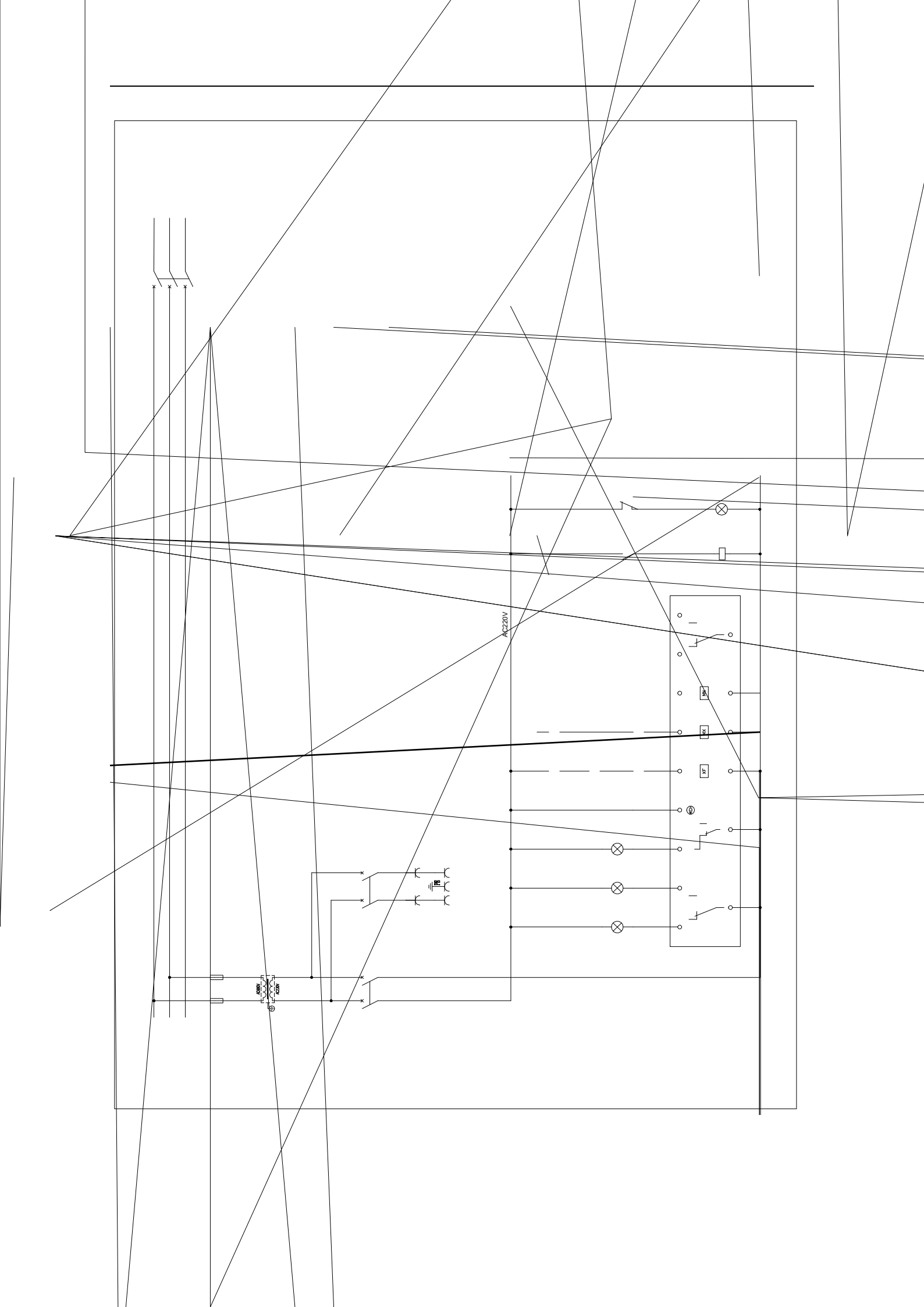

开始
有错误
检查
无错误
参数初始化
设定P8、P16组
完成
完成
否
带负
结束

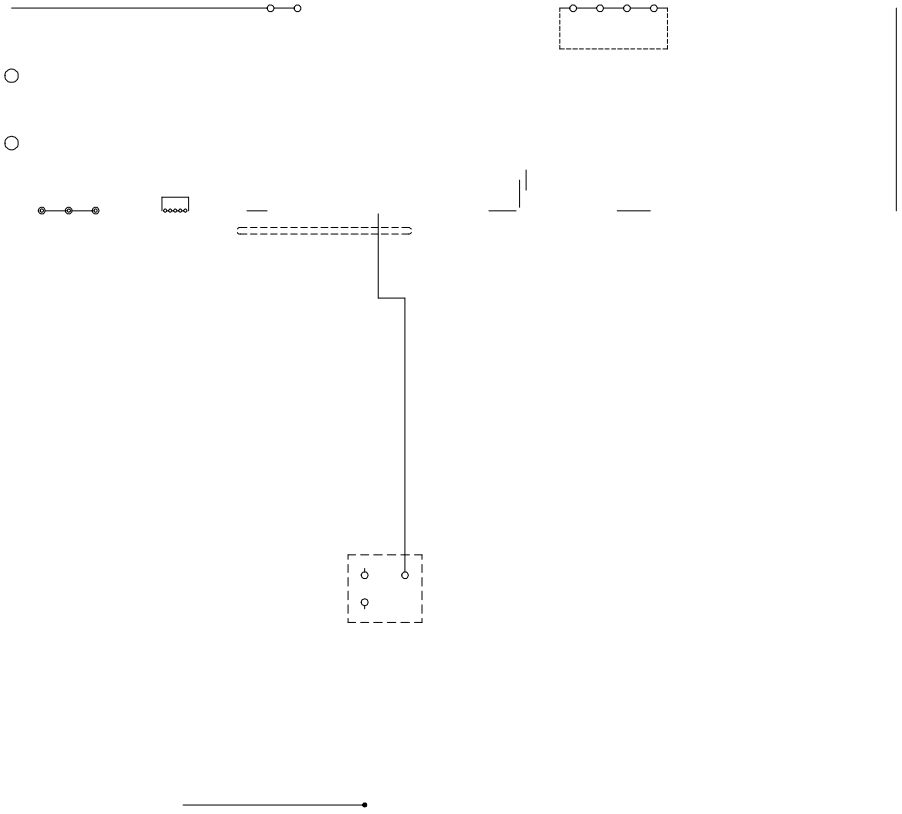

0.0Hz 560.5V 0A N/N
电机速度[Hz]： 0 Hz
给定频率[Hz]： 0 Hz
母线电压 ： 560 V

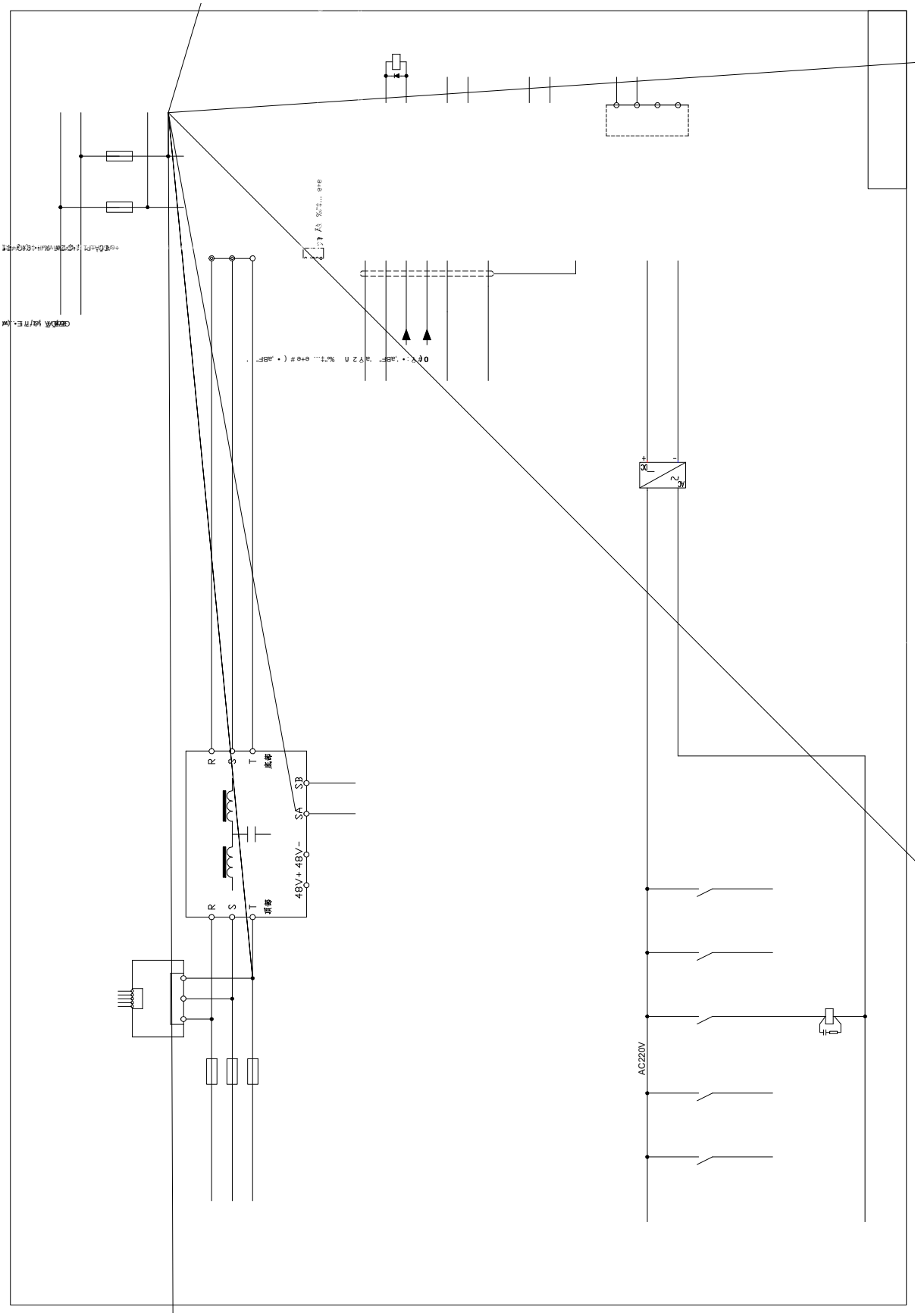
0.0Hz 300V 0A W/E
故障 E:[105] !!!
欠压

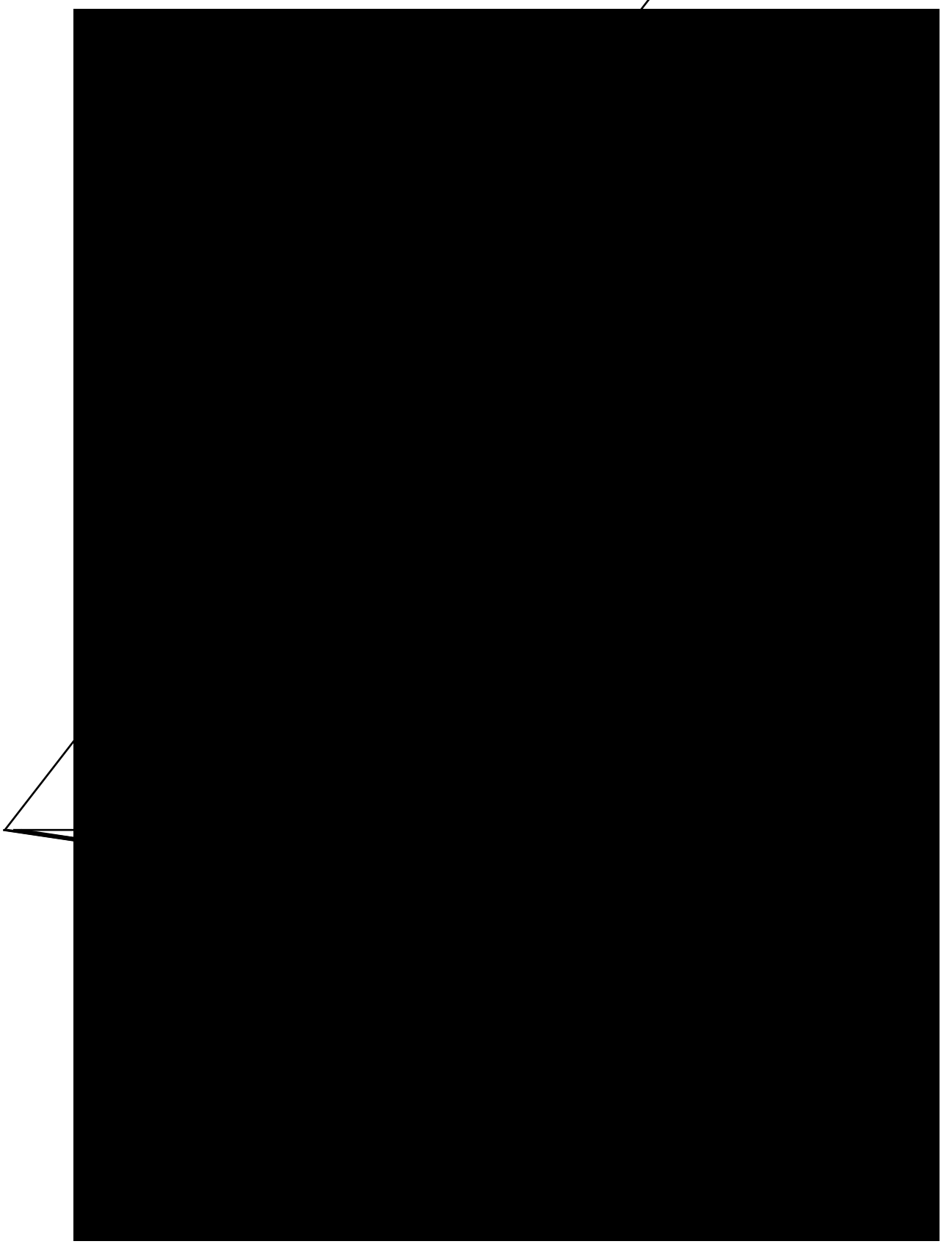
IDE


AC220V

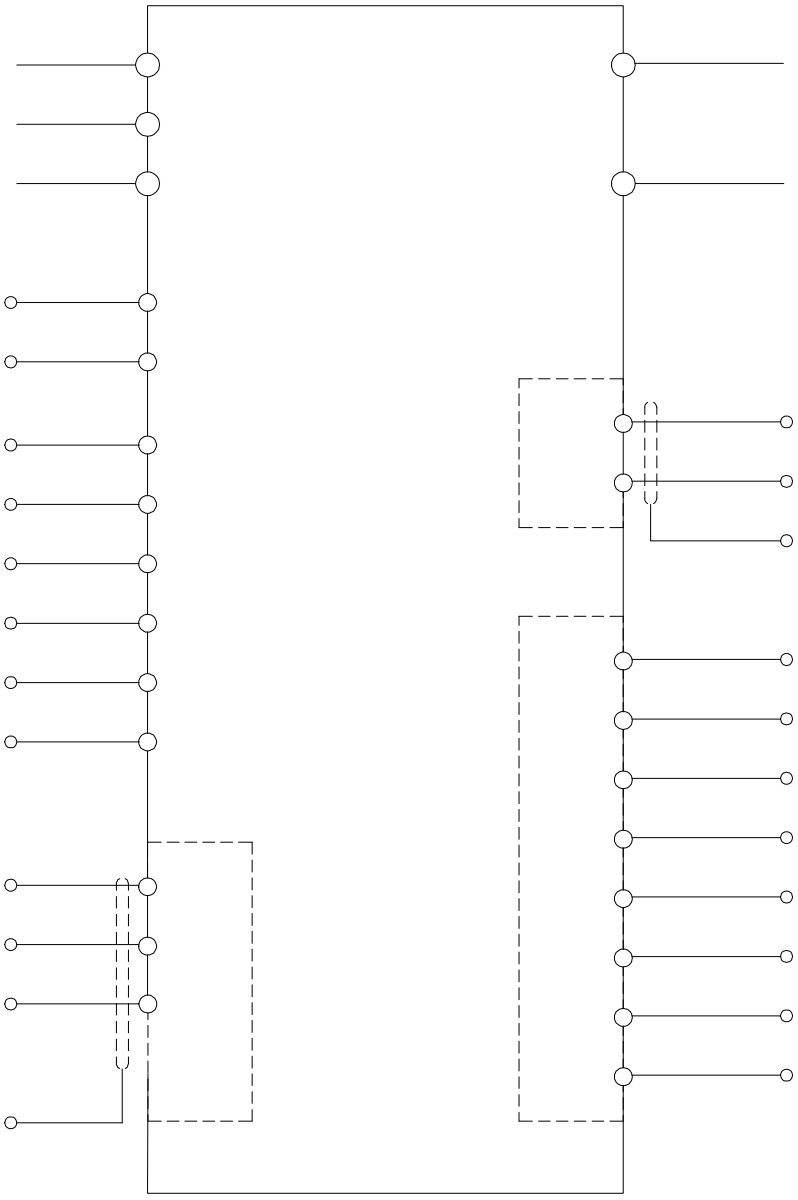

AC220V
KM
KA
KF
HG
KA
AC36V
AC24V

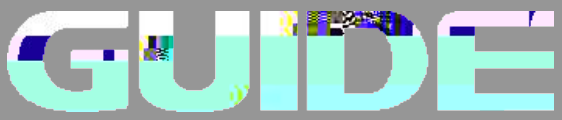



R
S
T
SB
SA
48V+ 48V−
AC220V



o@C#%7TS !™




GUIDE