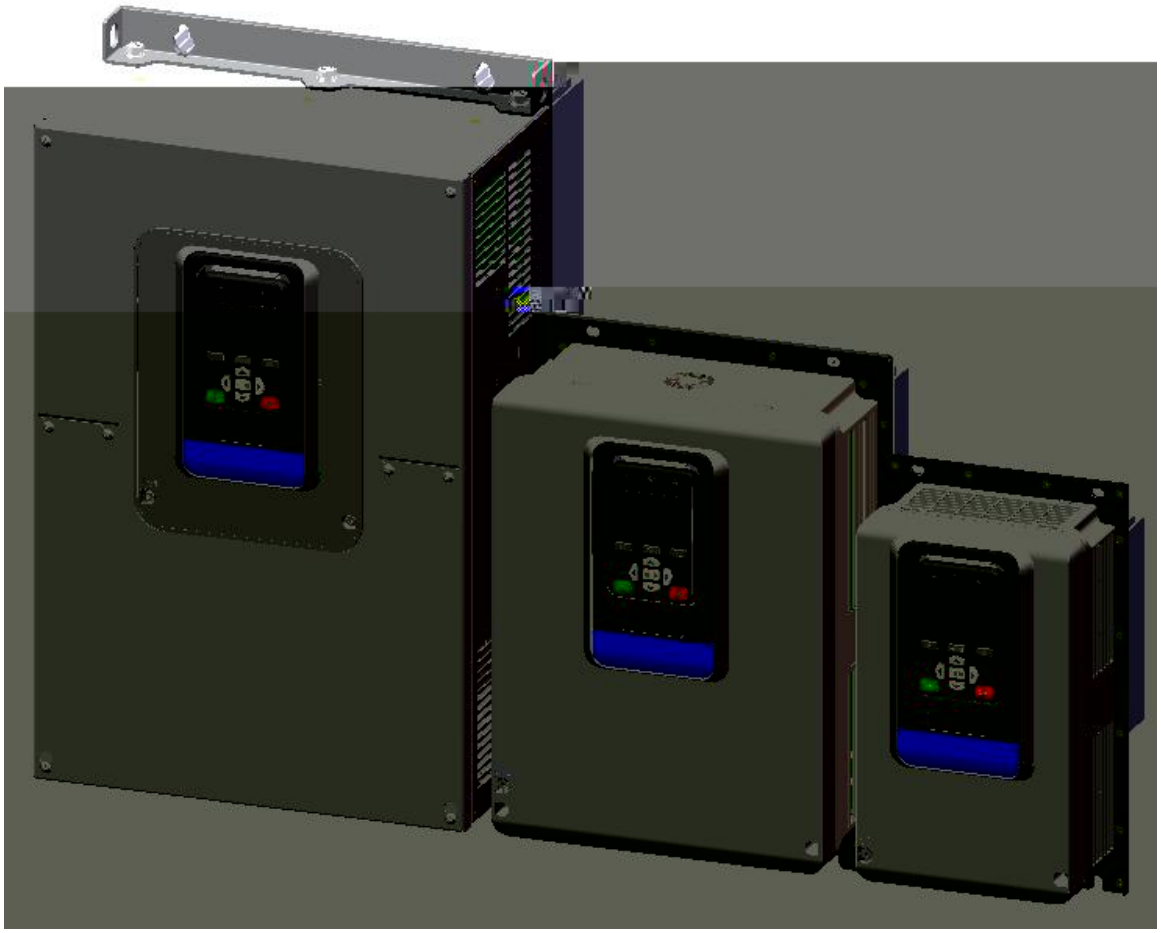
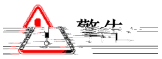
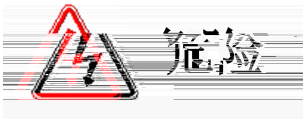


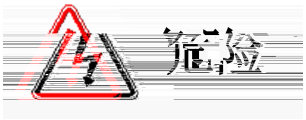
注意	
	

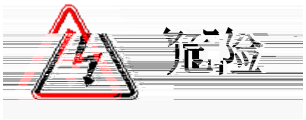
危険

注意

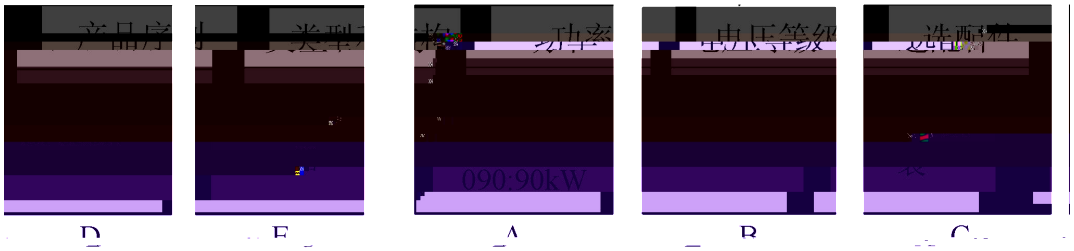
注意

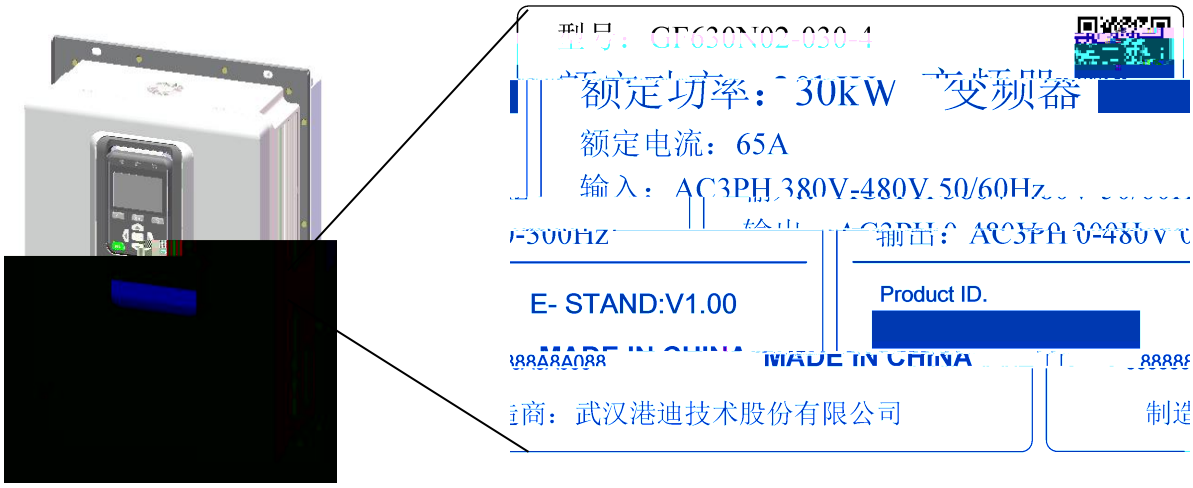


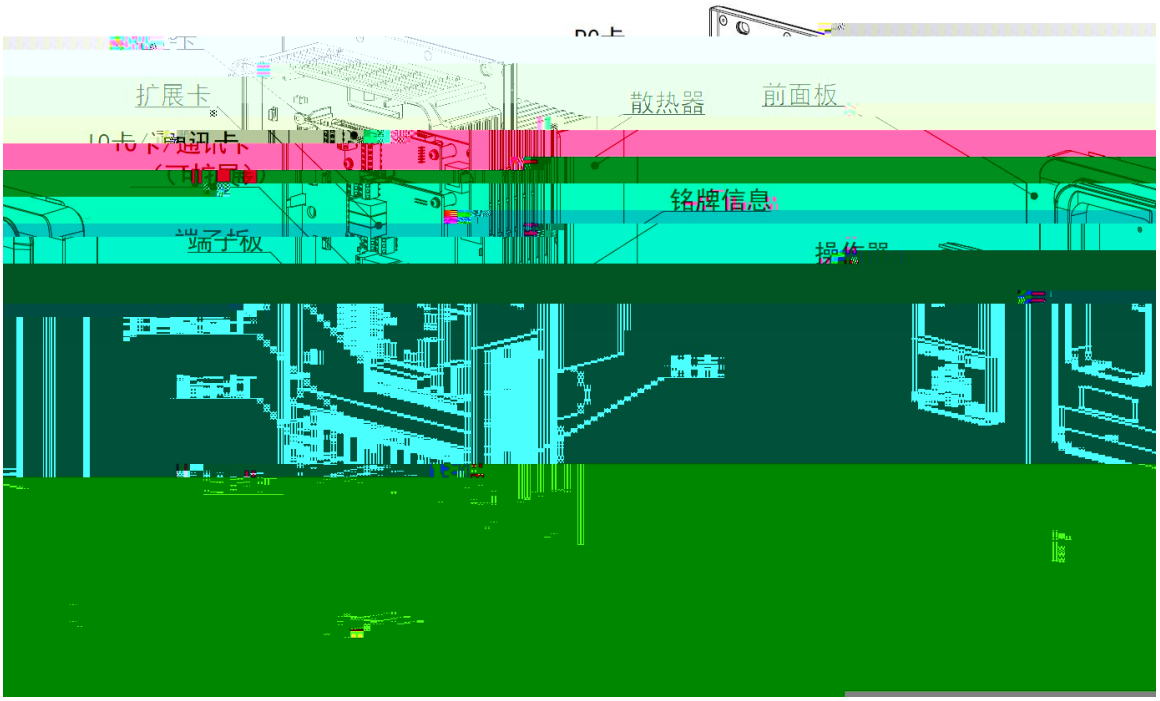

危险

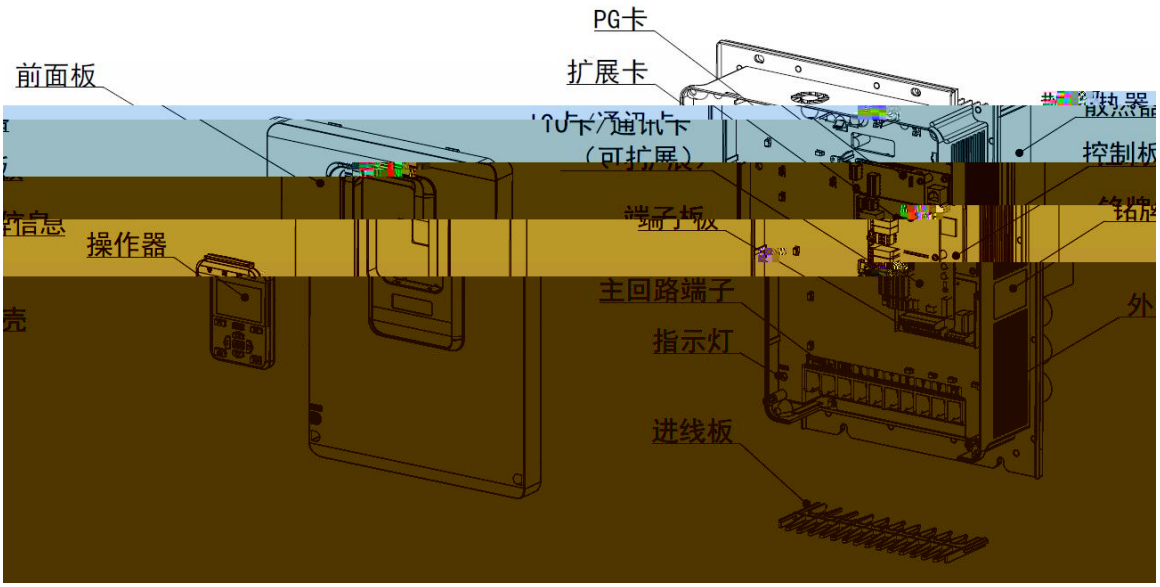

危险

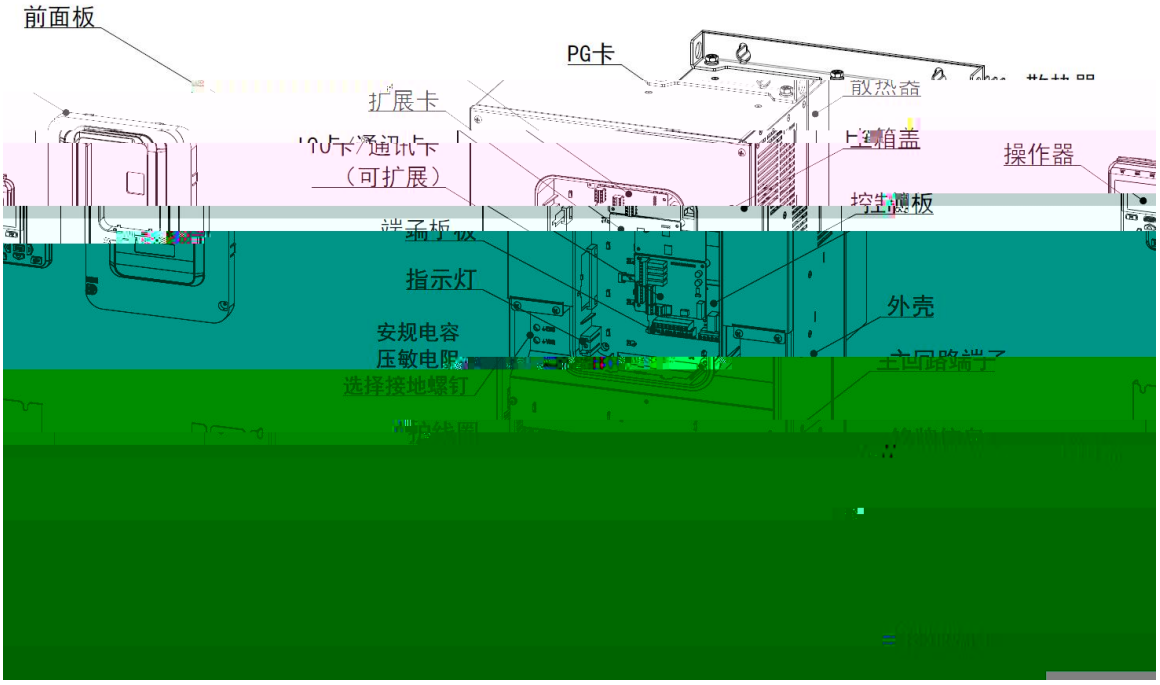
GE630N 02 4 X

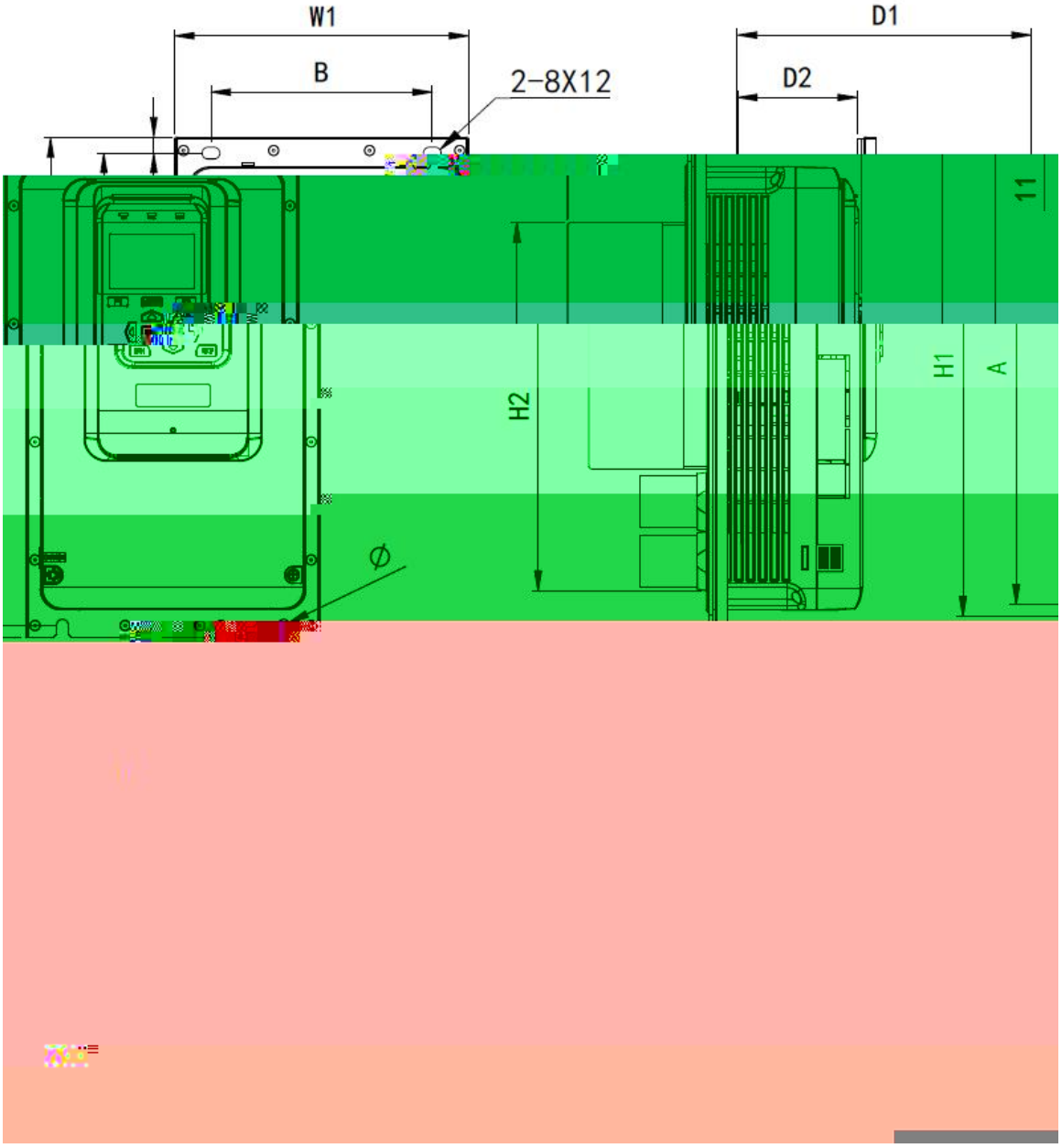


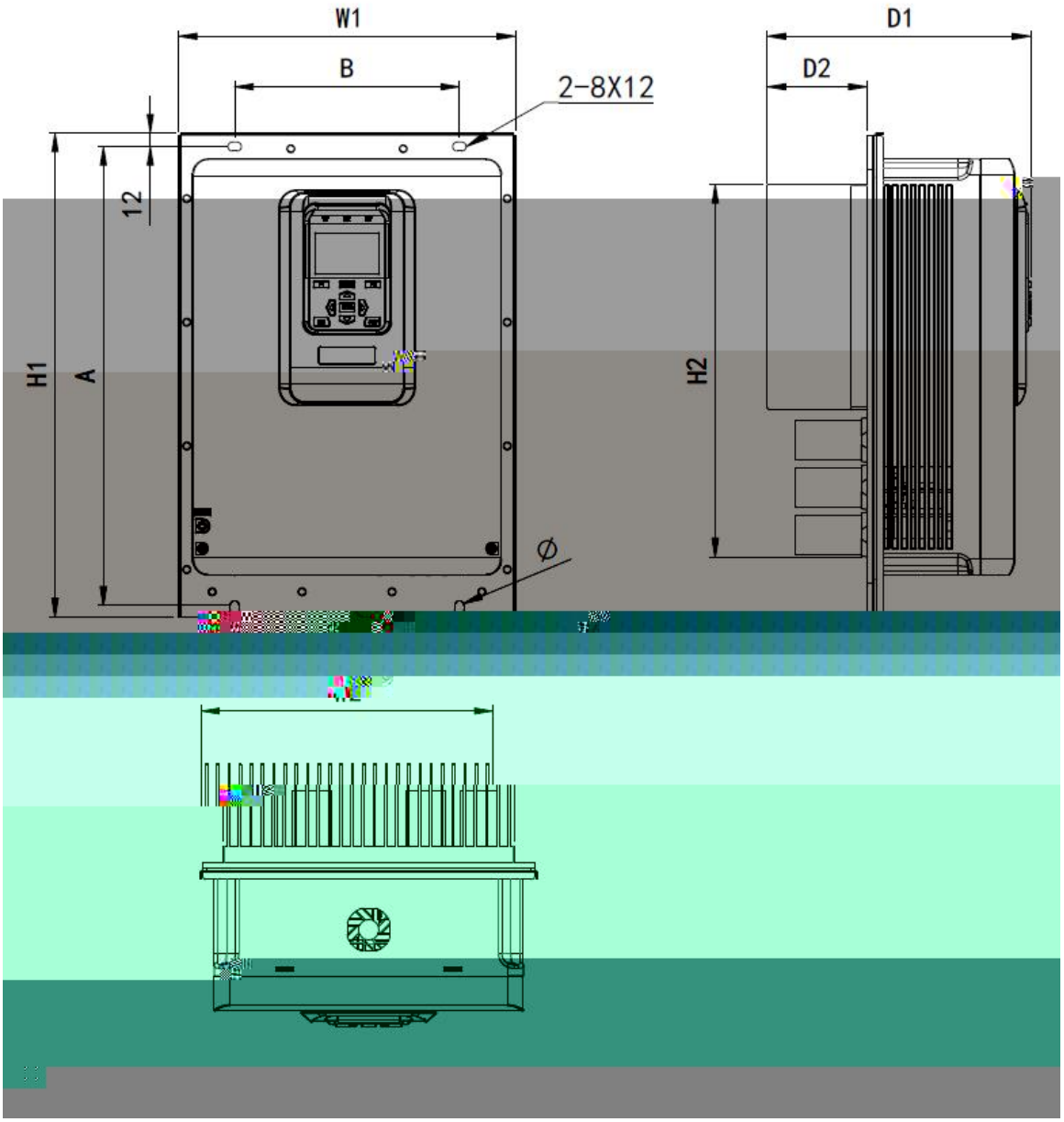

额定功率：30kW 变频器
额定电流：65A
输入：AC3PH 380V-480V 50/60Hz
E- STAND:V1.00
Product ID.
MADE IN CHINA
商：武汉港迪技术股份有限公司

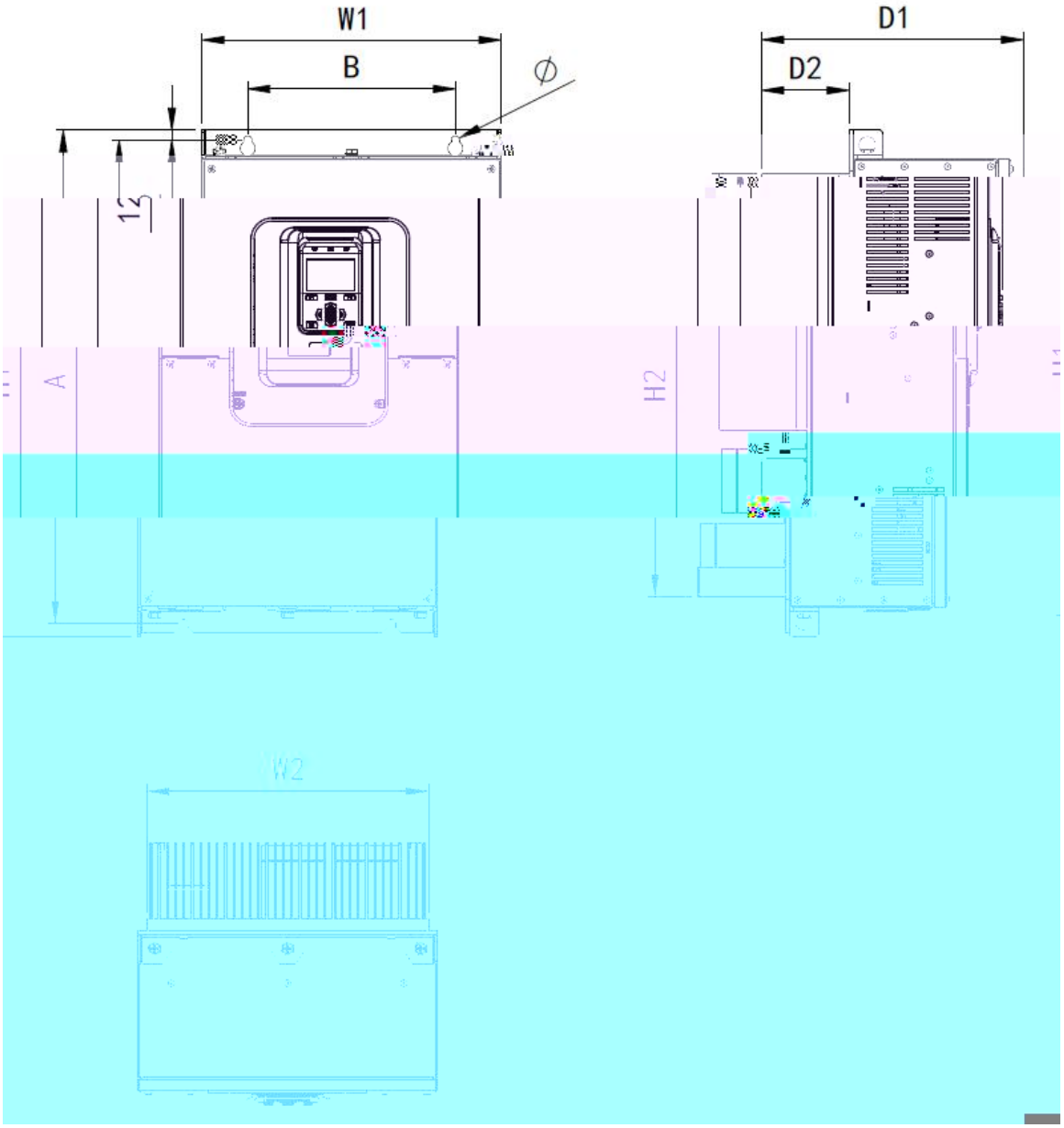

扩展卡
散热器
前面板
铭牌信息

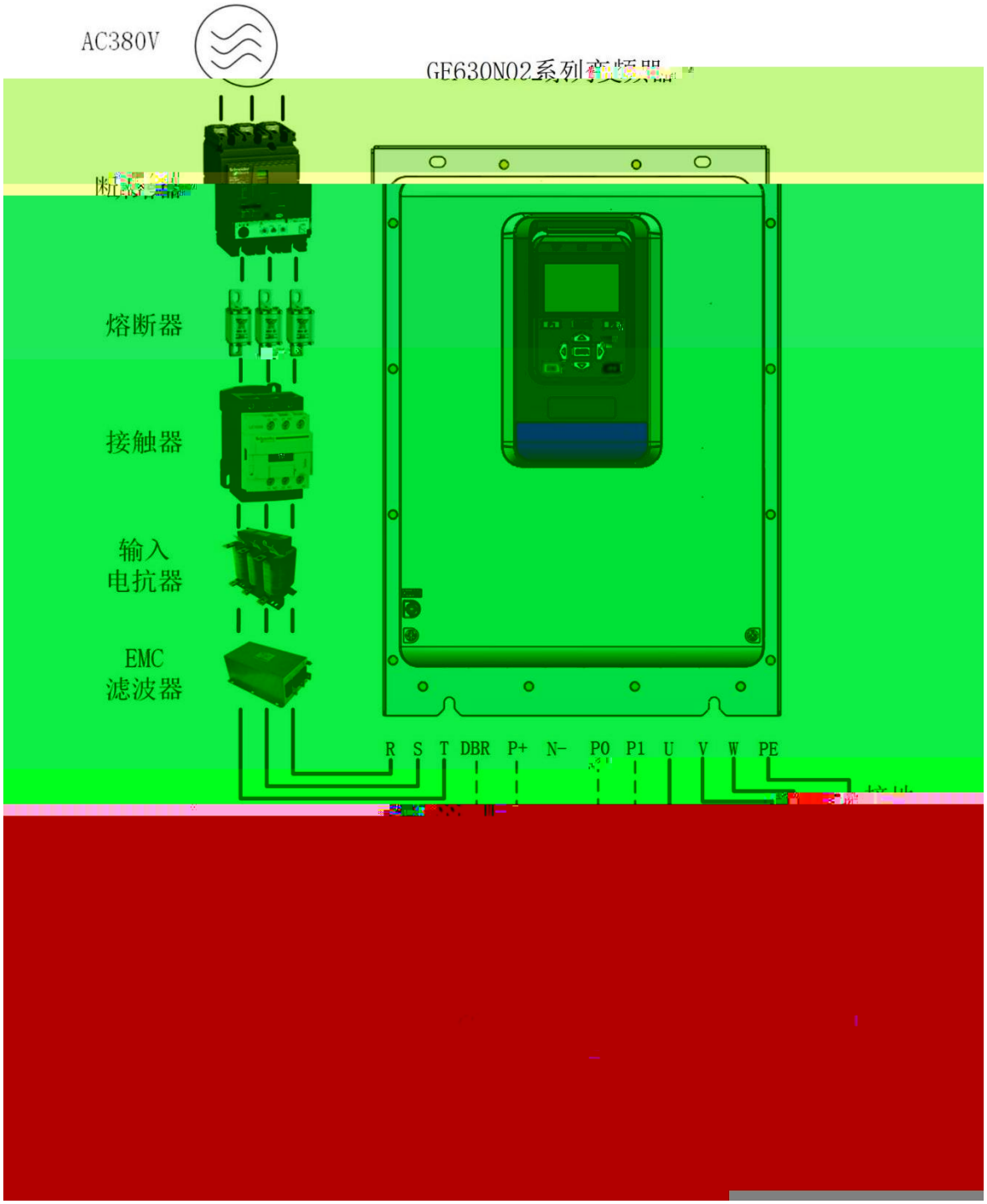

PG卡
扩展卡
前面板
操作器
主回路端子
指示灯
进线板

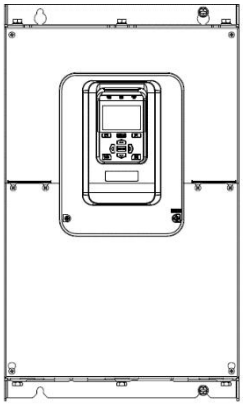
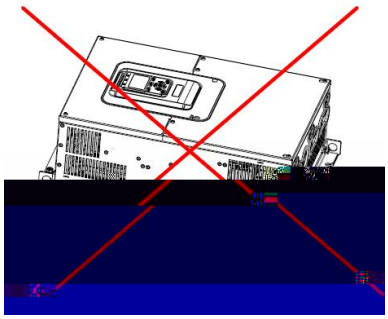
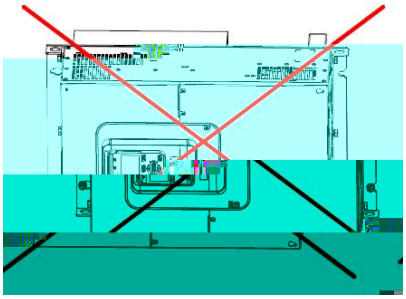

前面板
PG卡
扩展卡
（可扩展）
指示灯
安规电容
压敏电阻
选择接地螺钉
操作器
外壳

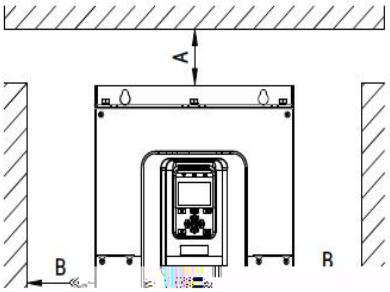

W1
B
2-8X12
D1
D2
11
H2
H1
A
Φ

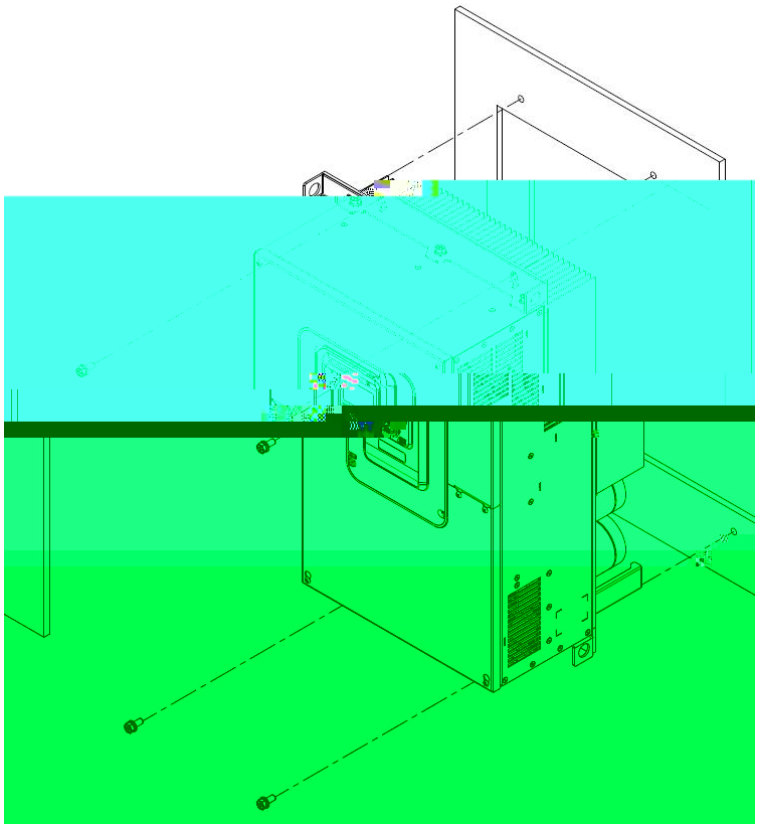

W1
B
2-8X12
12
H1
A
D1
D2
H2
Ø

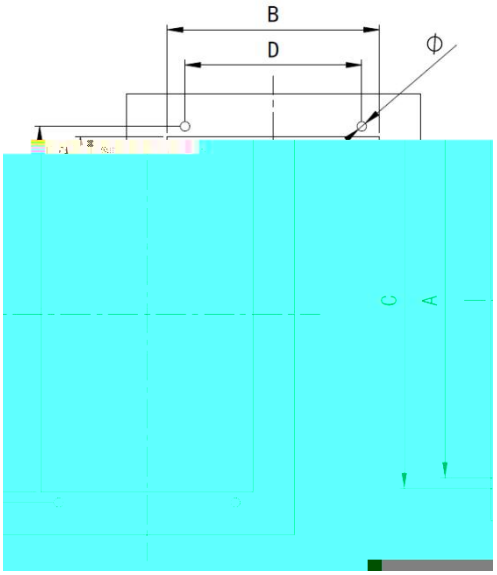

W1
B
Ø
12
A
D1
D2
H2
W2

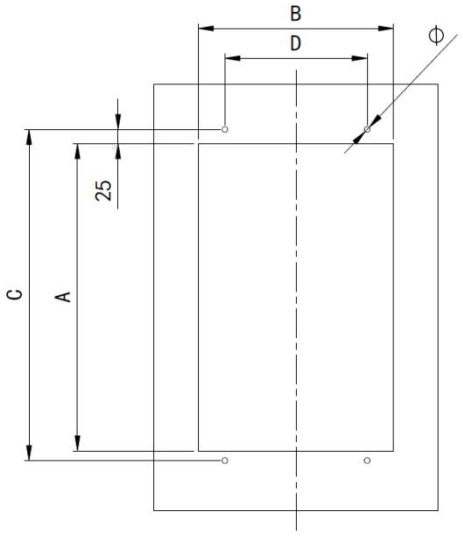

AC380V
GE630N02系列变频器
熔断器
接触器
输入
电抗器
EMC
滤波器
R S T DBR P+ N- P0 P1 U V W PE

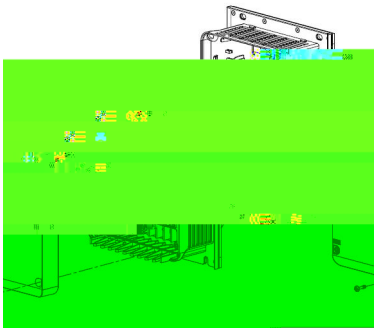
		

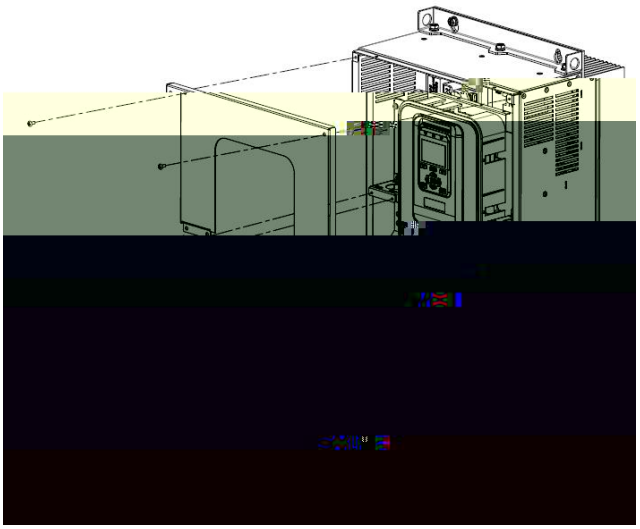

A
B
R

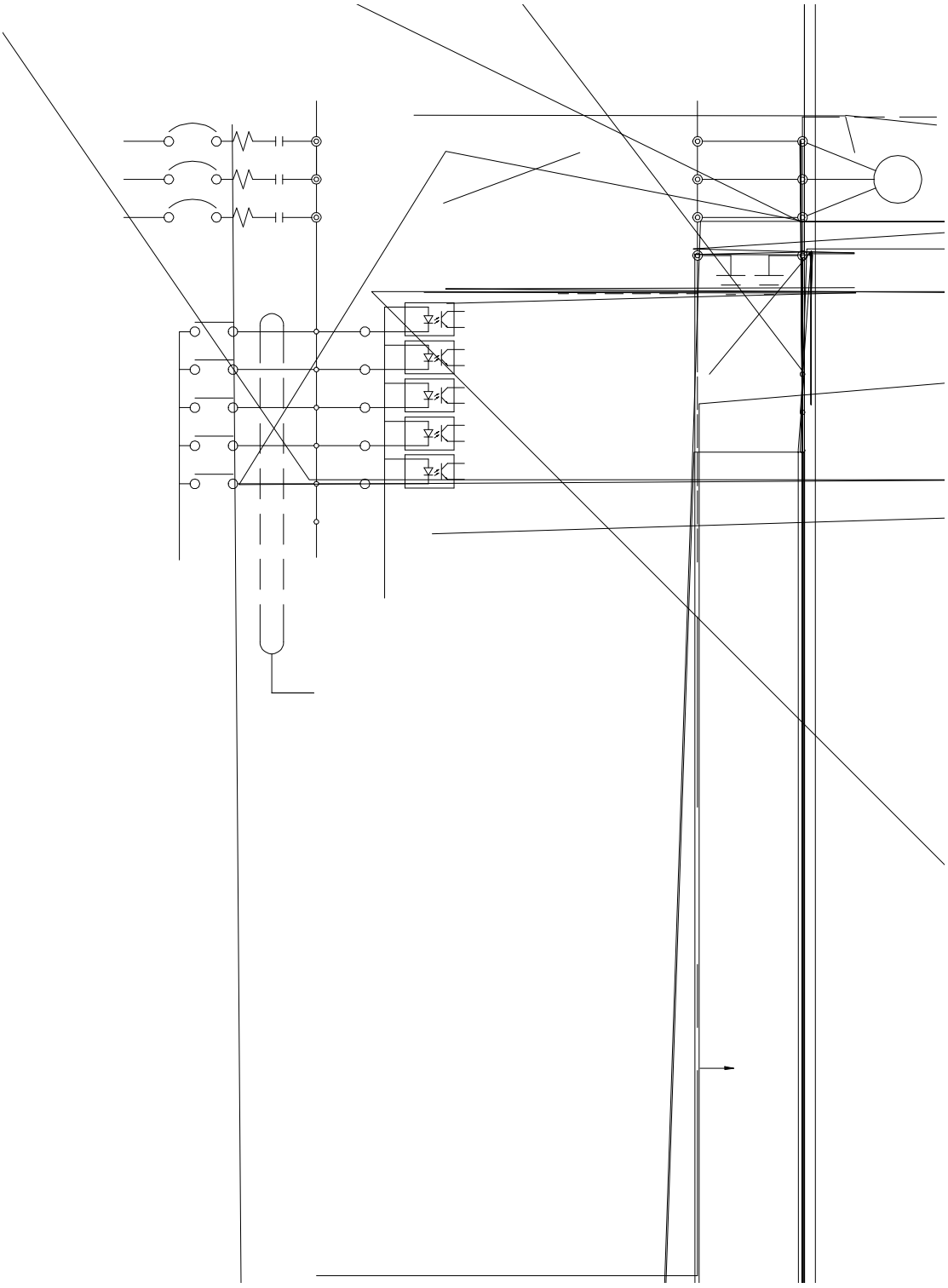


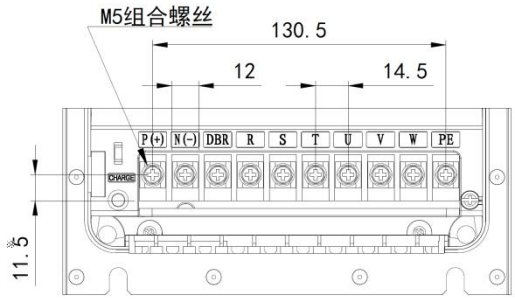

B
D
Φ
C
A

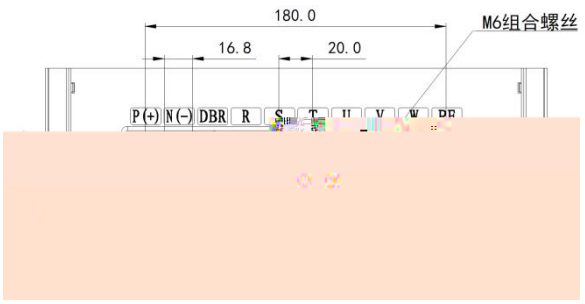

B
D
Φ
25
C
A

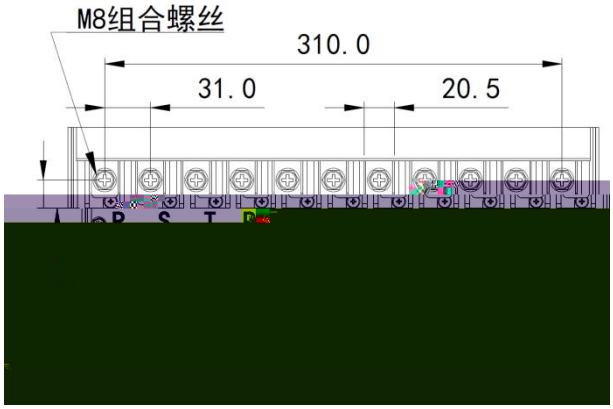


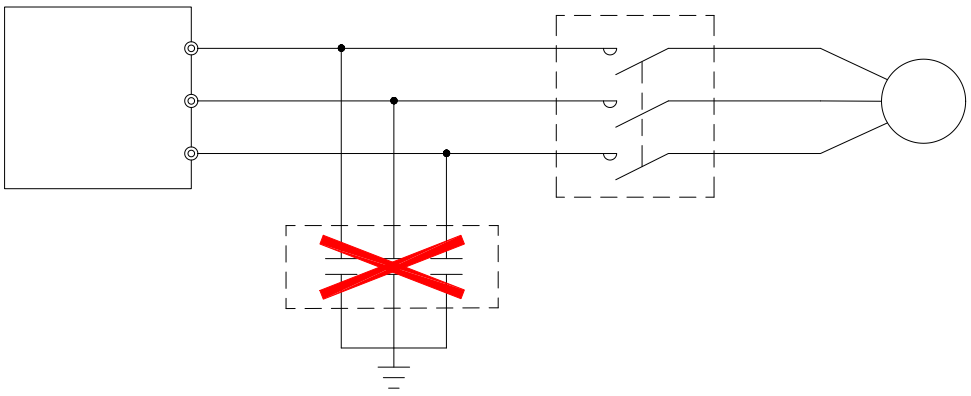


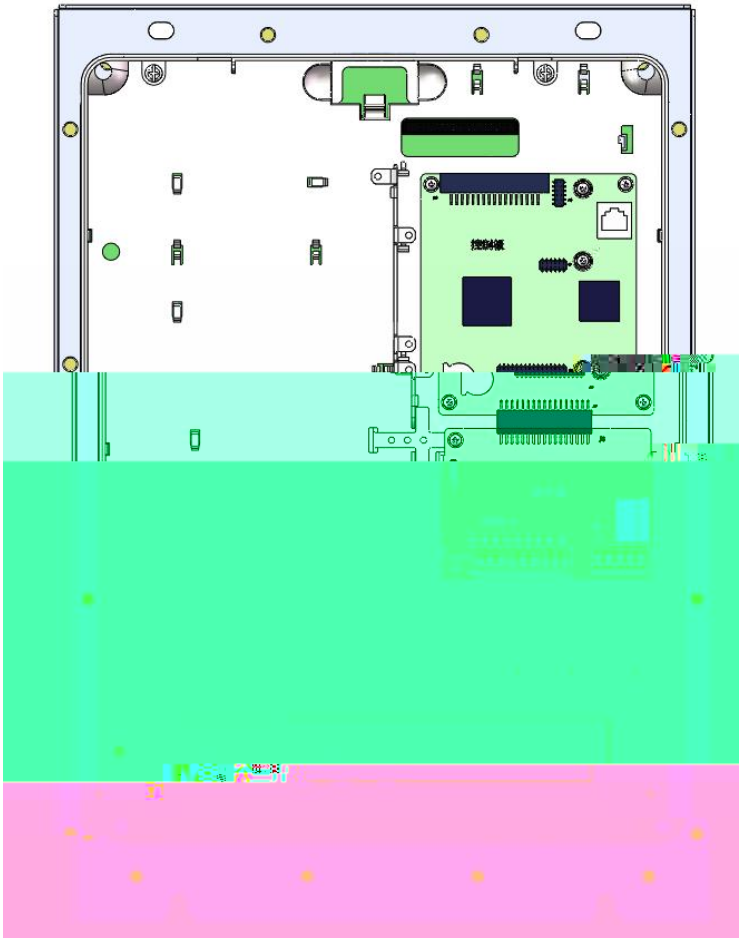


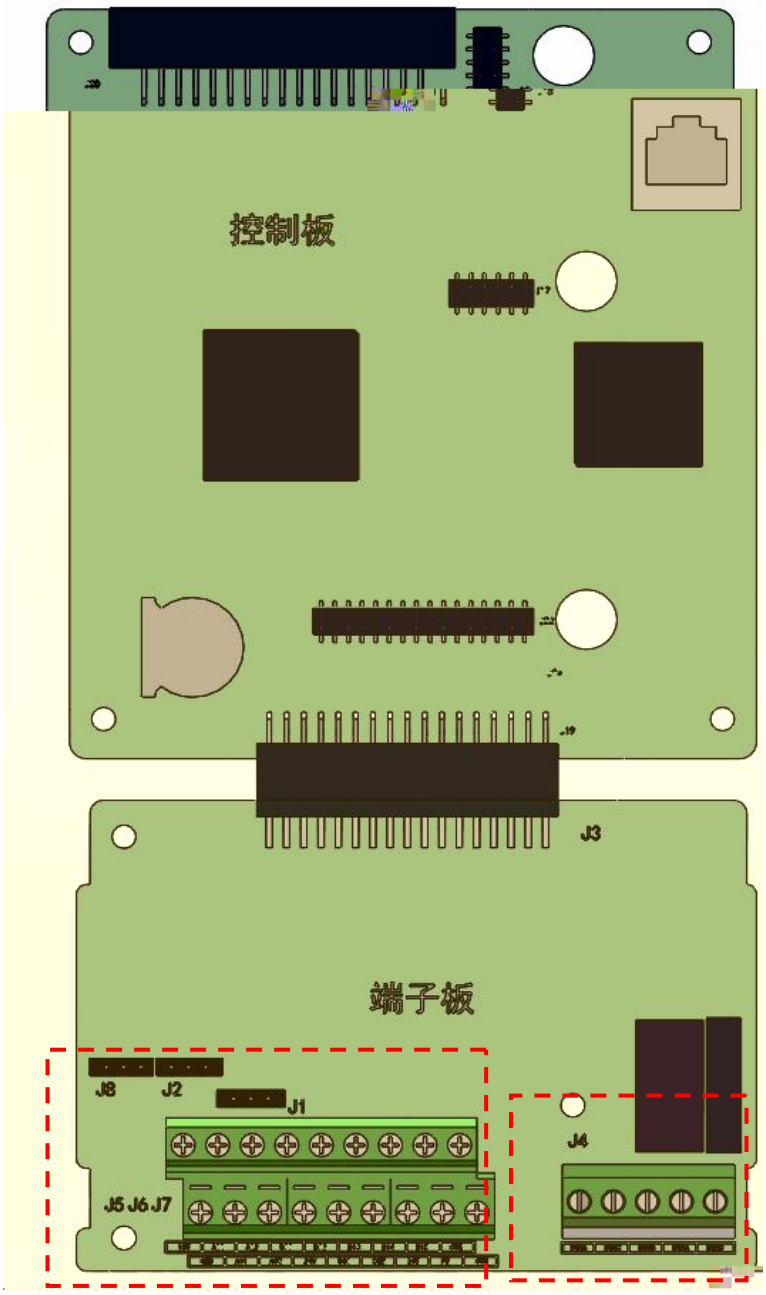

M5组合螺丝
130.5
12
14.5
P(+)
N(-)
DBR
R
S
T
U
V
W
PE
CHARGE
11.5

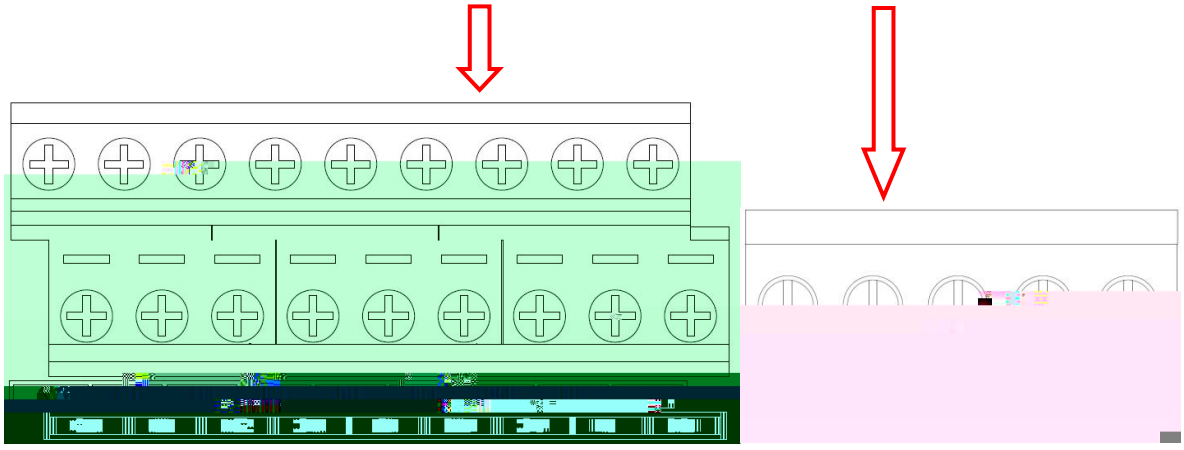

180.0
M6组合螺丝
16.8
20.0
P(+)
N(-)
DBR
R
S
T
U
V
W
PE


M8组合螺丝
310.0
31.0
20.5



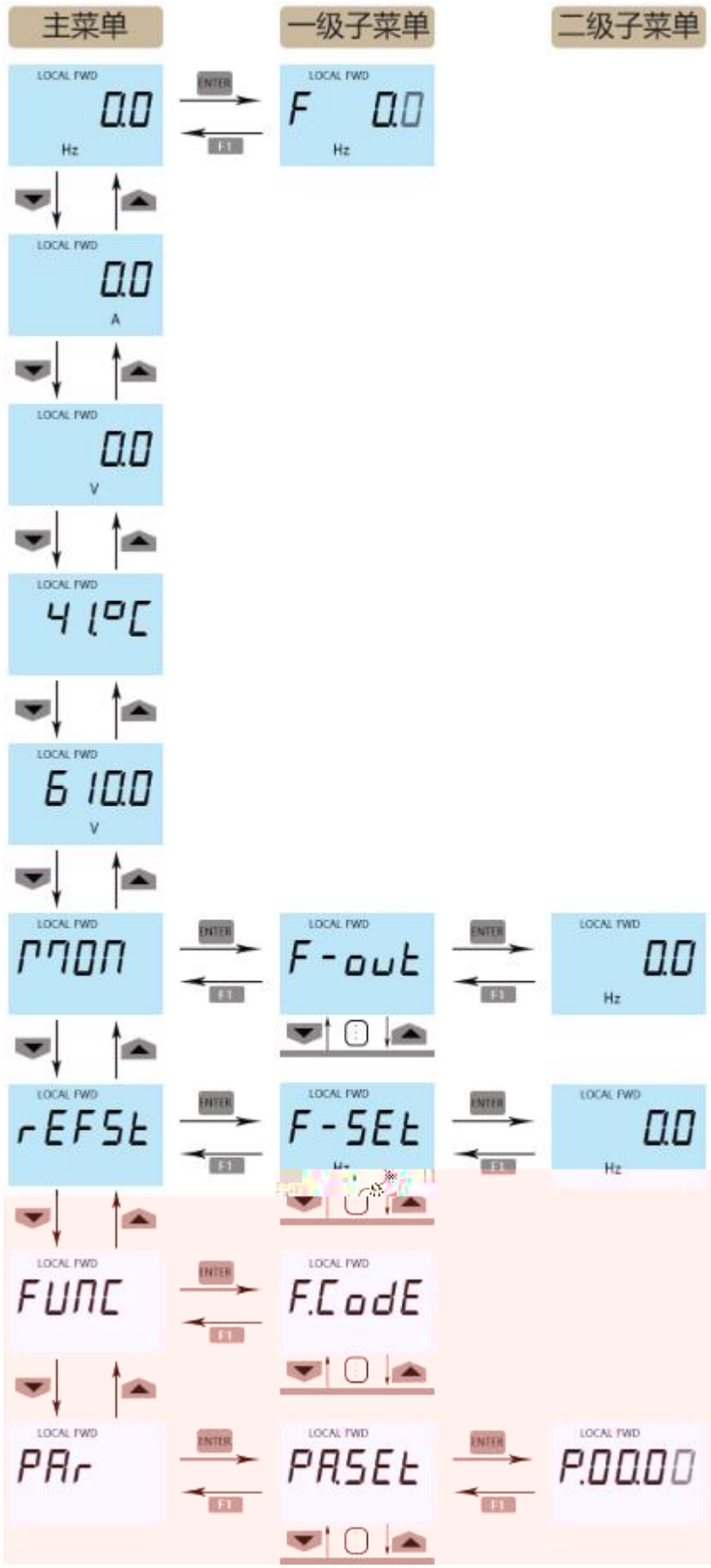


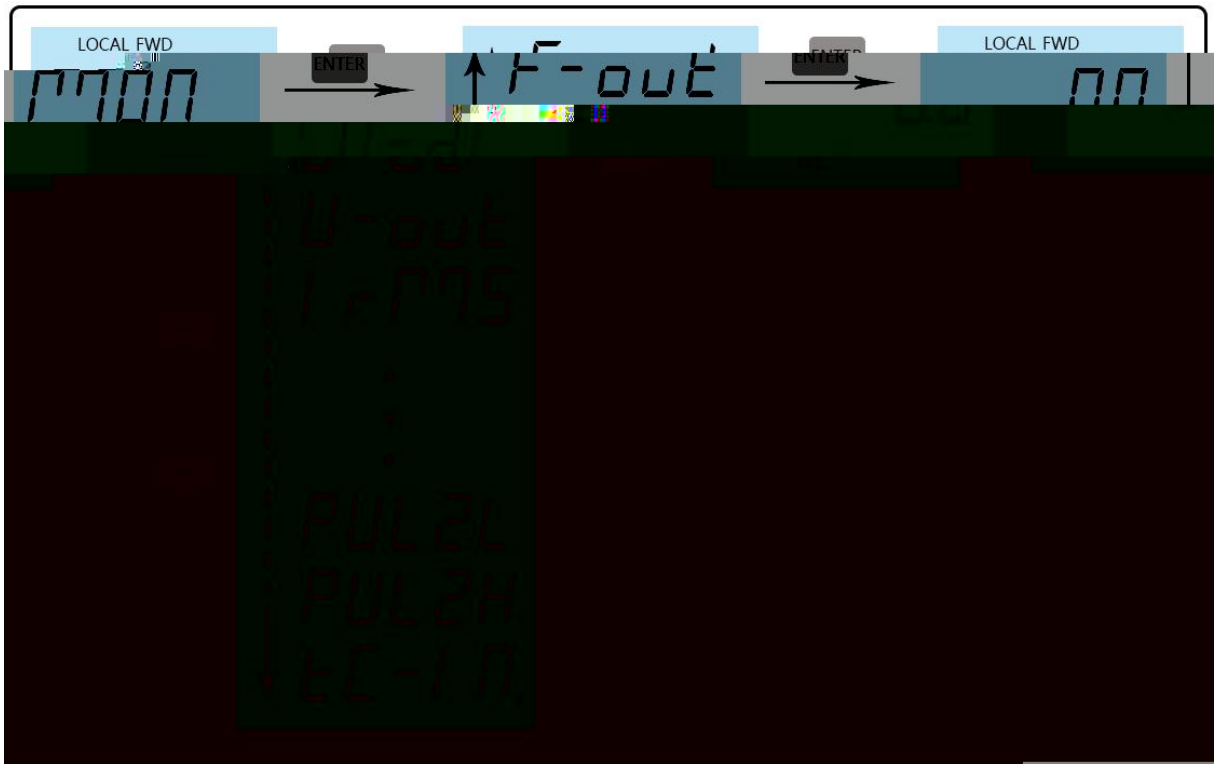

控制板
J3
端子板
J8
J2
J1
J4
J5 J6 J7

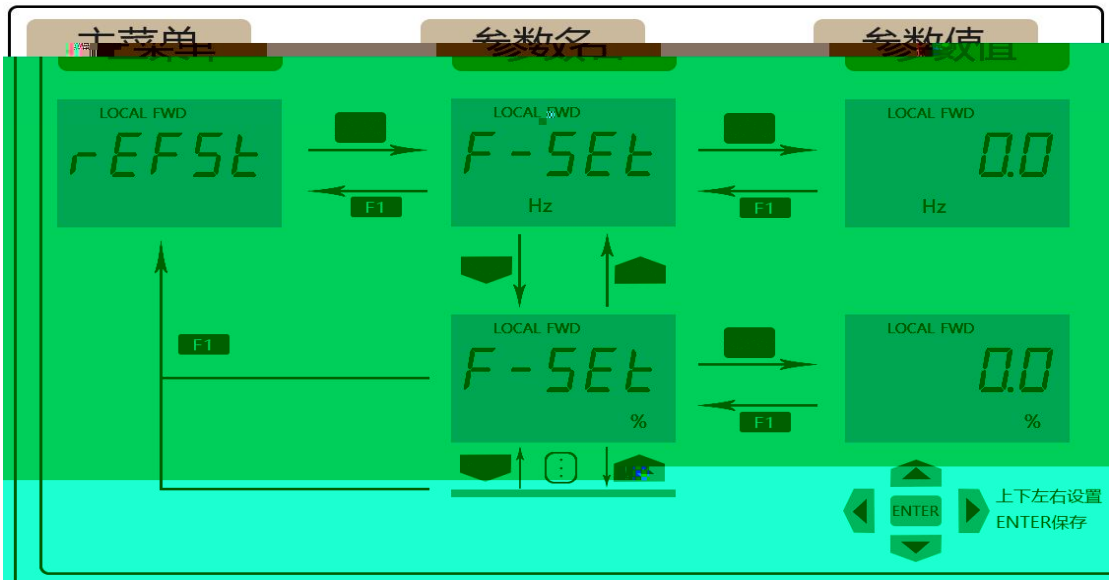


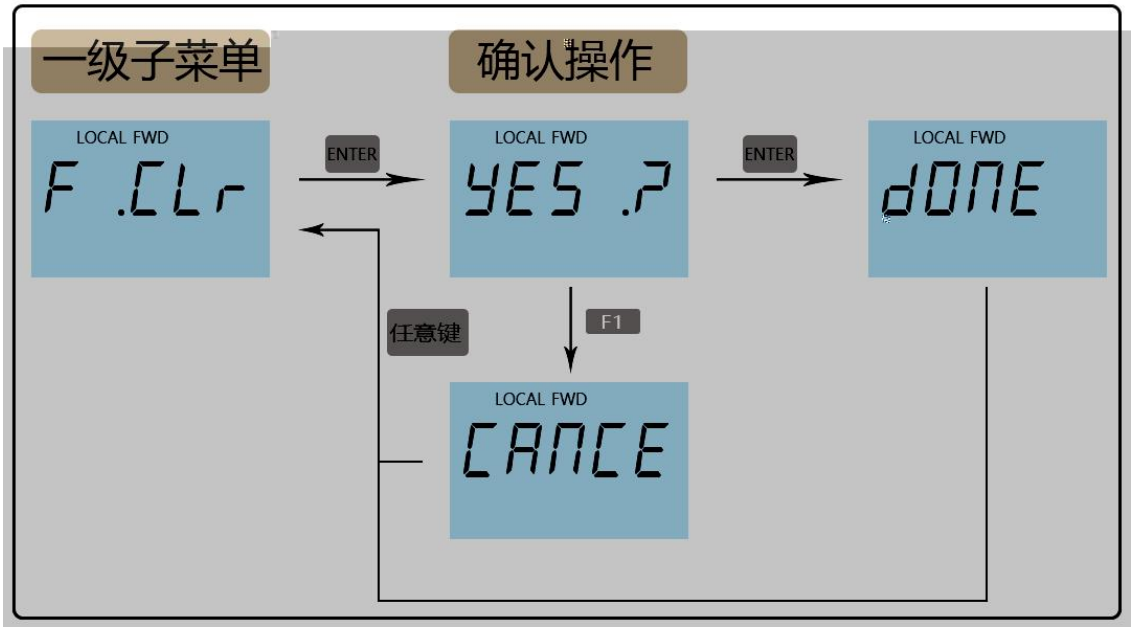
显示文字	LED显示	显示文字	LED显示	显示文字	LED显示	显示文字	LED显示
0	0	A	A	K	K	U	U
1	1	B	b	L	L	V	v
2	2	C	C	M	M	W	W
3	3	D	d	N	n	X	无
4	4	E	E	O	o	Y	y
5	5	F	F	P	P	Z	Z
6	6	G	G	Q	q	°（度）	o
7	7	H	H	R	r	?	.?
8	8	I	I	S	S		
9	9	J	J	T	t		

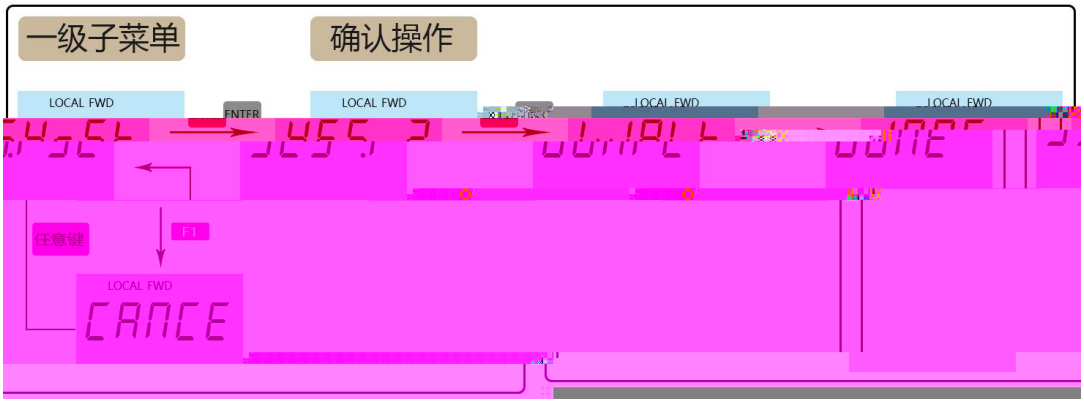
F1		
LOC/REM		
F2		
▲		
▼		
◀		
▶		
ENTER		
RUN		
STOP		

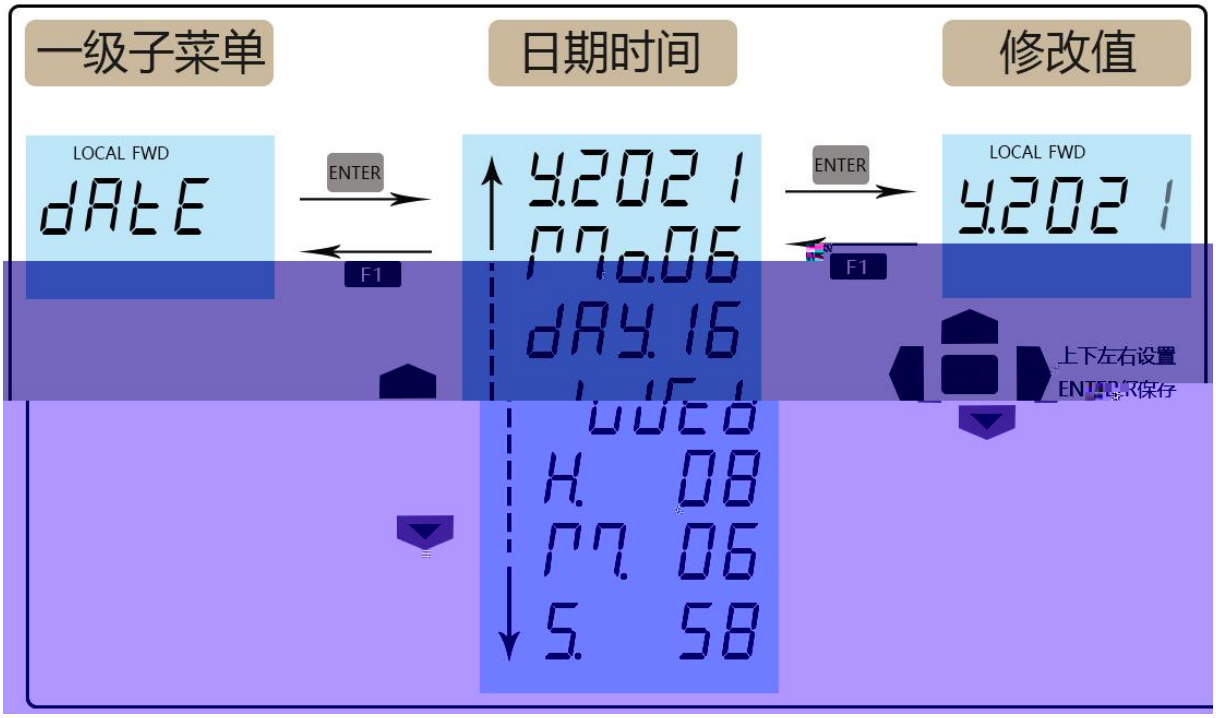

主菜单
一级子菜单
二级子菜单
LOCAL FWD
0.0
Hz
ENTER
F1
F 0.0
A
V
41°C
610.0
MON
F-out
REFSt
F-SEt
FUNC
F.CodE
PAr
PASEt
P.0000

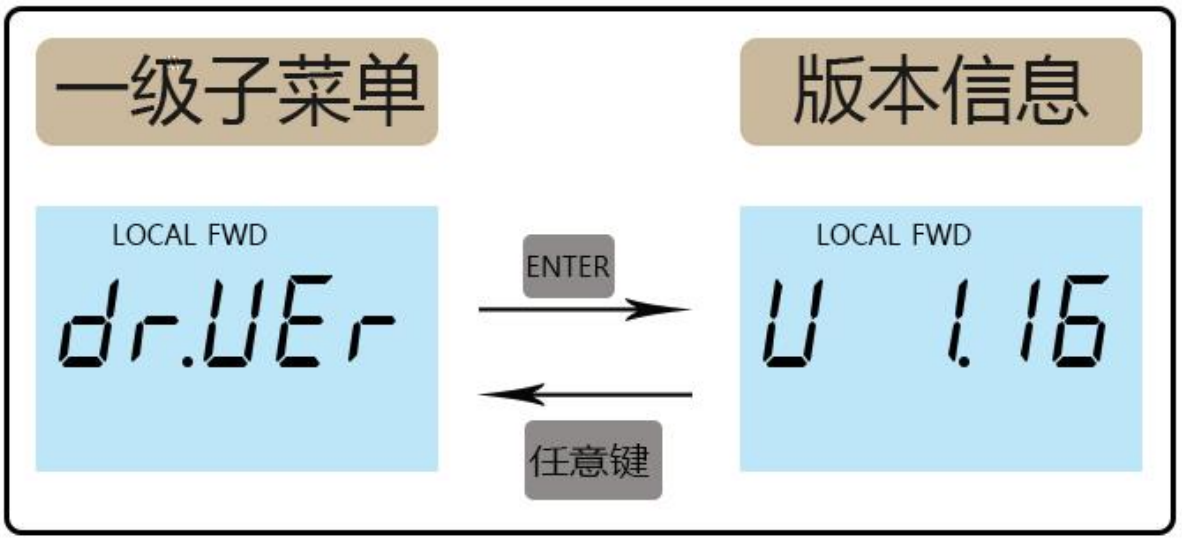

LOCAL FWD
ENTER
F-out
LOCAL FWD
U-out
I.rms
PUL2L
PUL2H
EC-IO

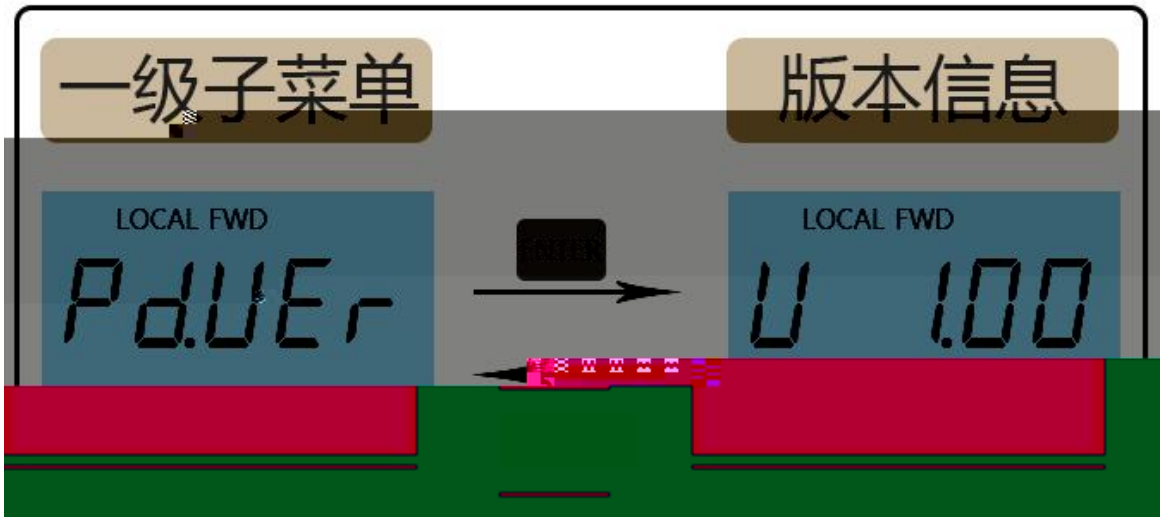

LOCAL FWD
rEFSt
LOCAL FWD
F-SEt
Hz
LOCAL FWD
0.0
Hz
F1
F1
F1
LOCAL FWD
F-SEt
%
LOCAL FWD
0.0
%
F1
ENTER
上下左右设置
ENTER保存

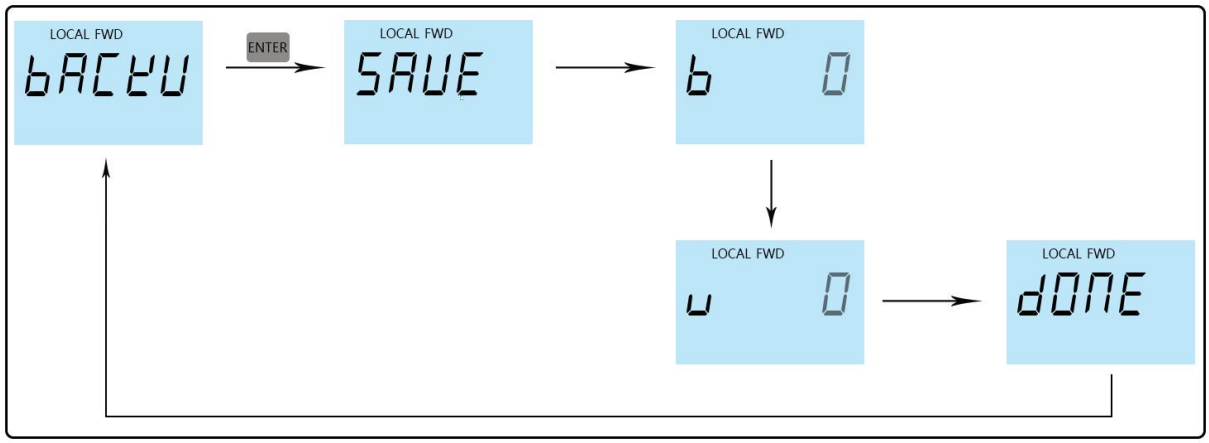

一级子菜单
确认操作
LOCAL FWD
F .CLr
ENTER
LOCAL FWD
YES .P
ENTER
LOCAL FWD
dONE
任意键
F1
LOCAL FWD
CANCE

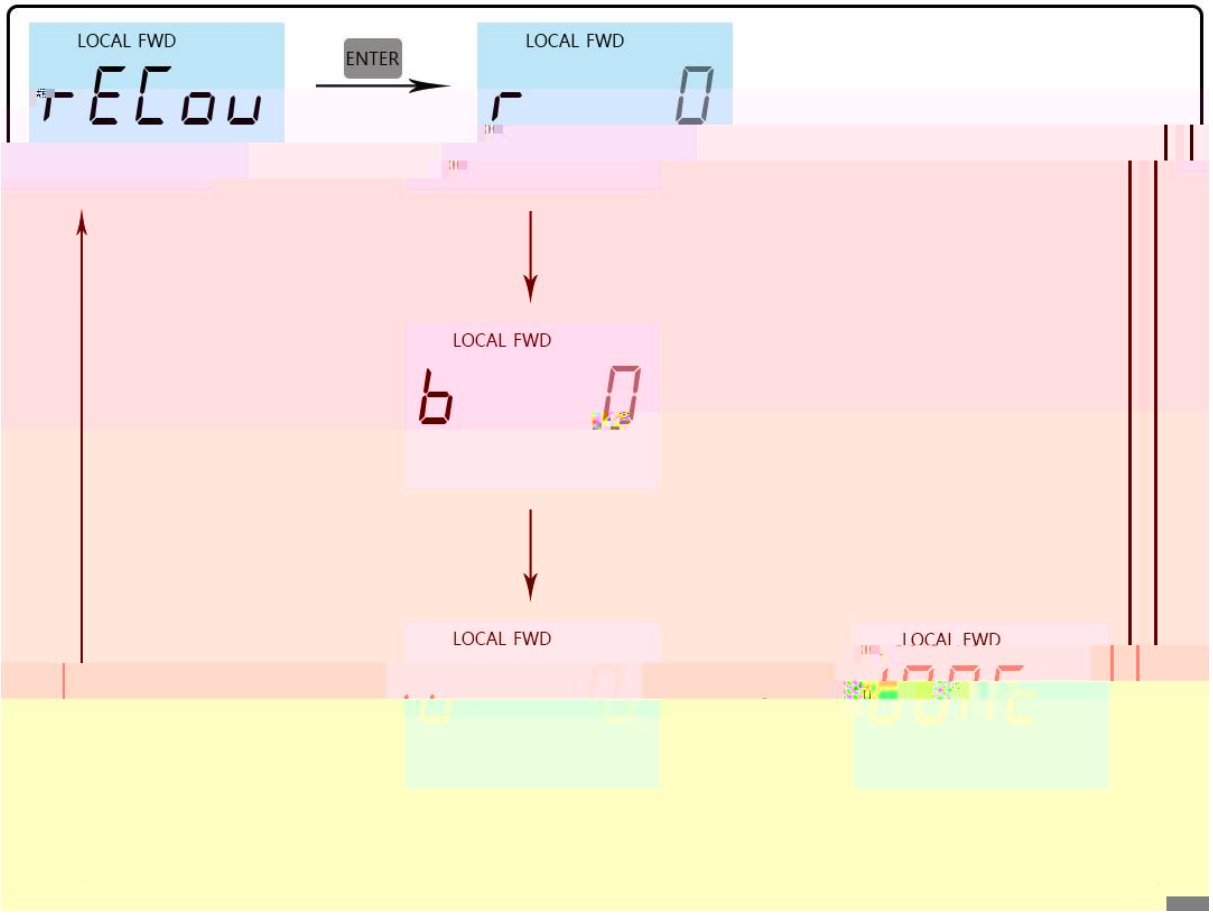

一级子菜单
确认操作
LOCAL FWD
ENTER
LOCAL FWD
任意键
F1
LOCAL FWD
CANCE

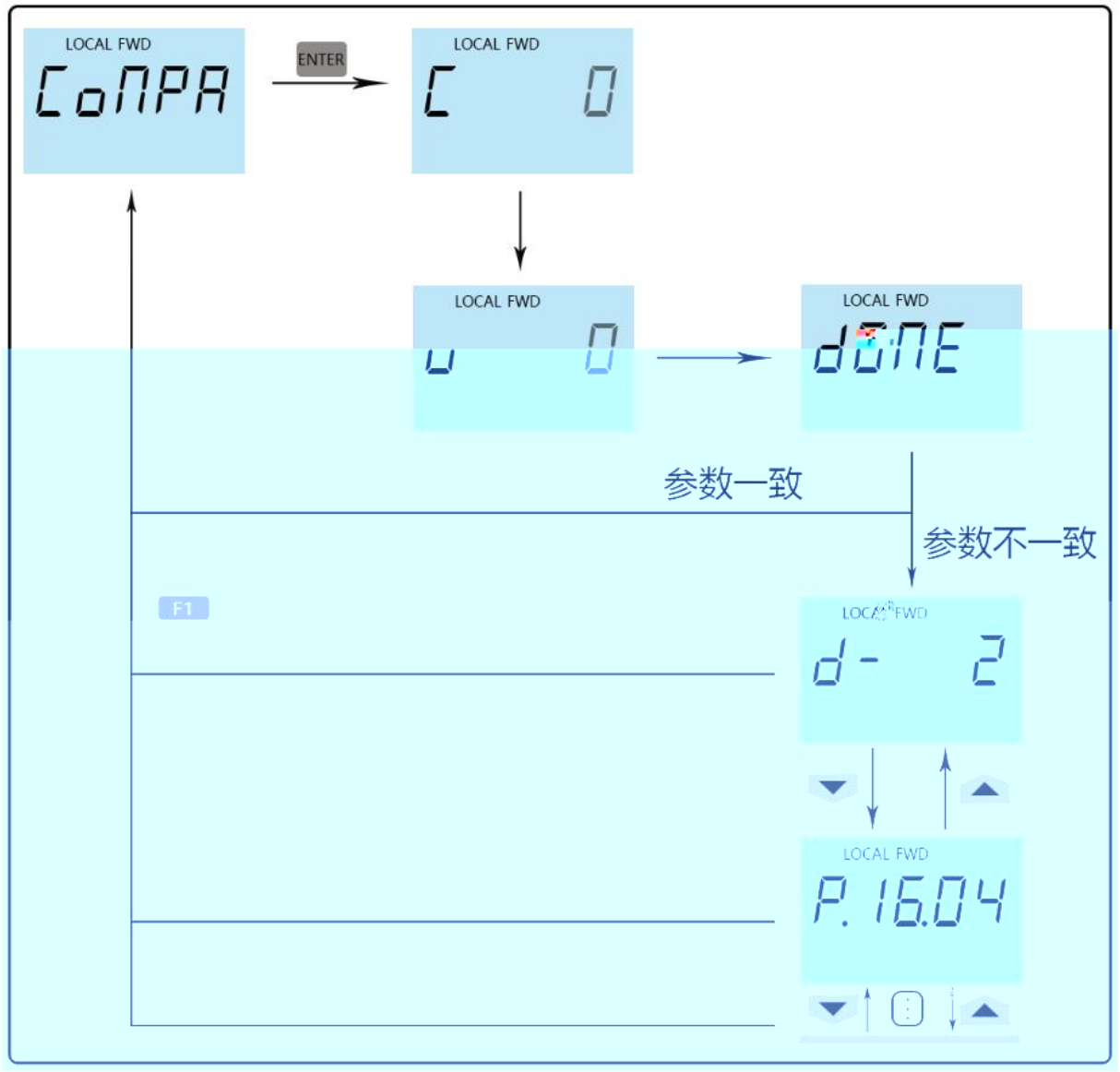

一级子菜单
日期时间
修改值
LOCAL FWD
dAtE
ENTER
F1
Y.2021
MO.06
dAY.16
H. 08
M. 06
S. 58
ENTER
F1
LOCAL FWD
Y.2021
上下左右设置

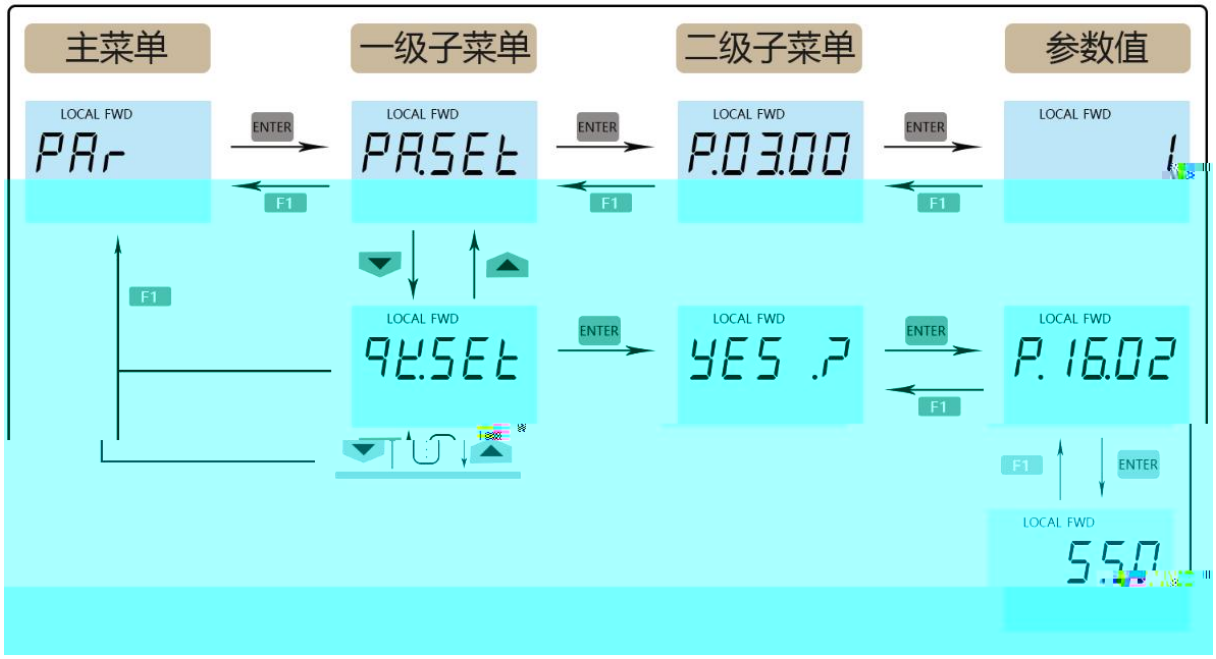

一级子菜单
版本信息
LOCAL FWD
dr.UEr
ENTER
任意键
LOCAL FWD
U 1.16

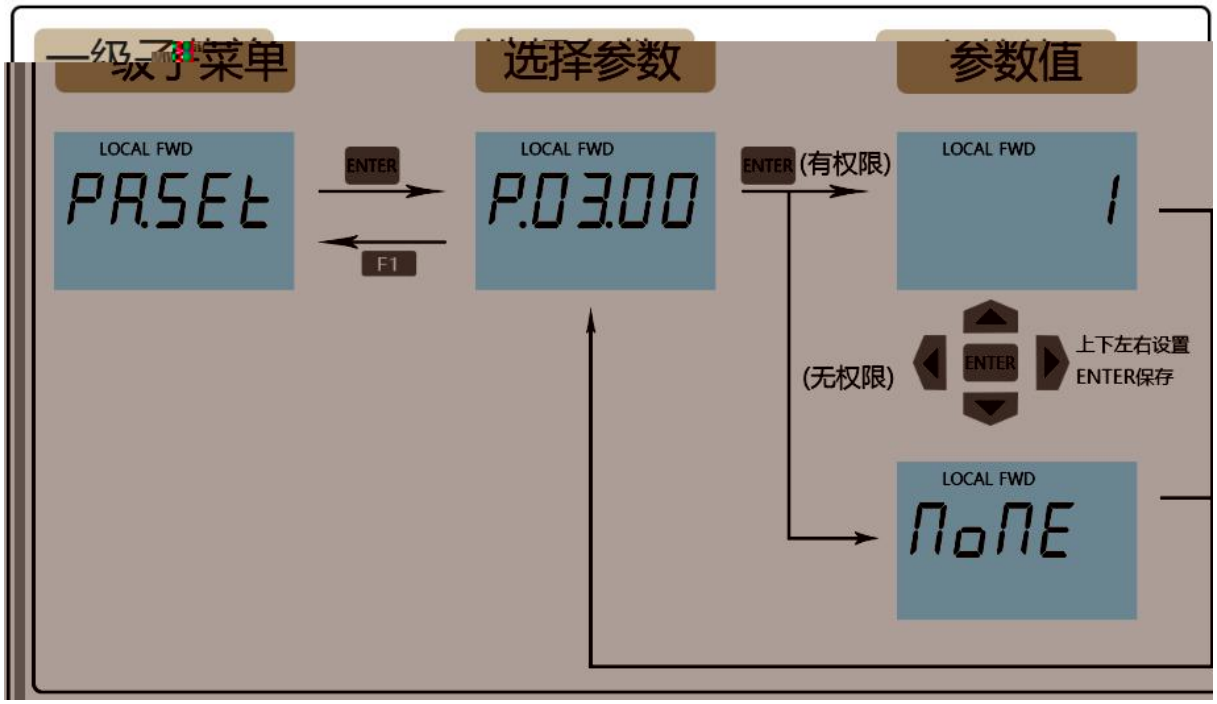

一级子菜单
版本信息
LOCAL FWD
PdUEr
LOCAL FWD
U 1.00

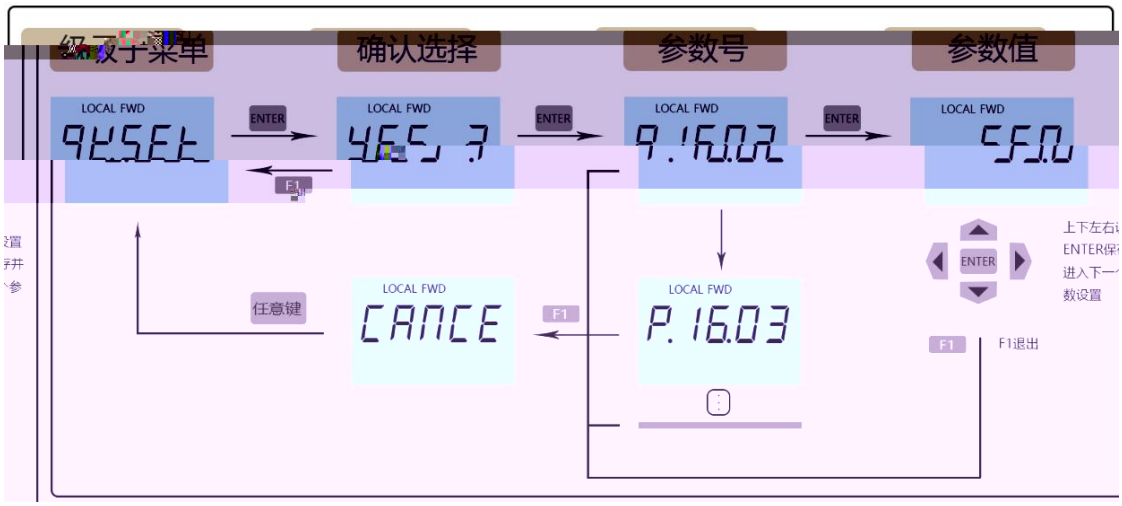

LOCAL FWD
bACkU
ENTER
LOCAL FWD
SAUE
LOCAL FWD
b 0
LOCAL FWD
u 0
LOCAL FWD
dONE

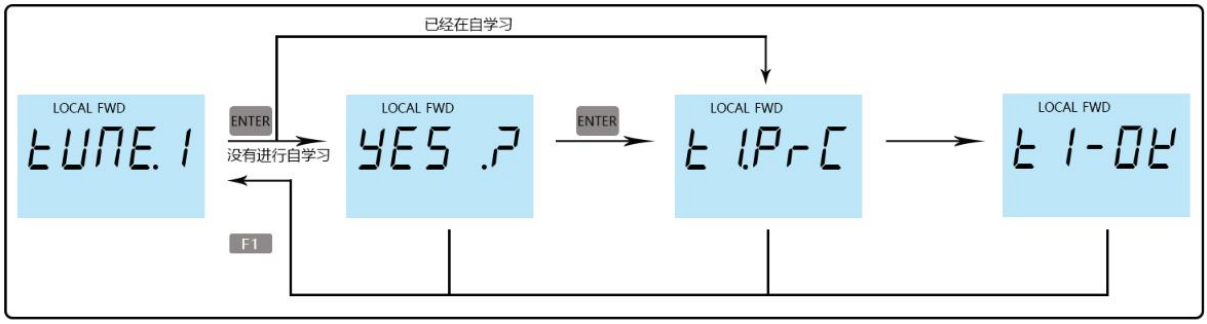

LOCAL FWD
rECou
ENTER
LOCAL FWD
r 0
LOCAL FWD
b 0
LOCAL FWD
LOCAL FWD

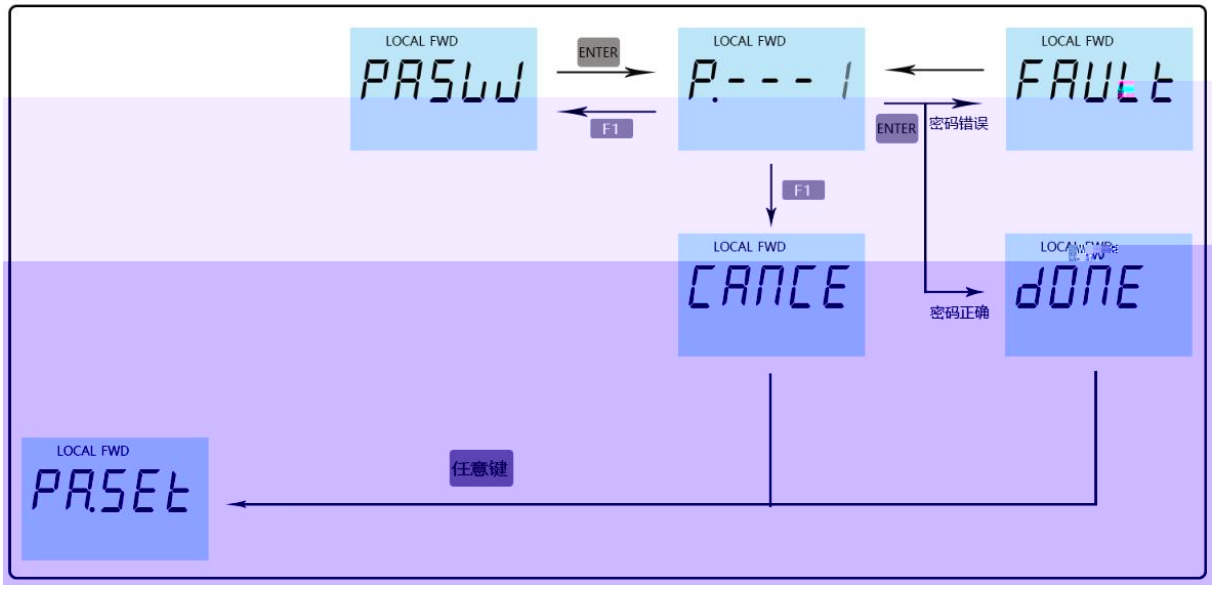

LOCAL FWD
CoNPA
ENTER
LOCAL FWD
C 0
LOCAL FWD
0 0
LOCAL FWD
dONE
参数一致
参数不一致
F1
LOCAL FWD
d- 2
LOCAL FWD
P.16.04

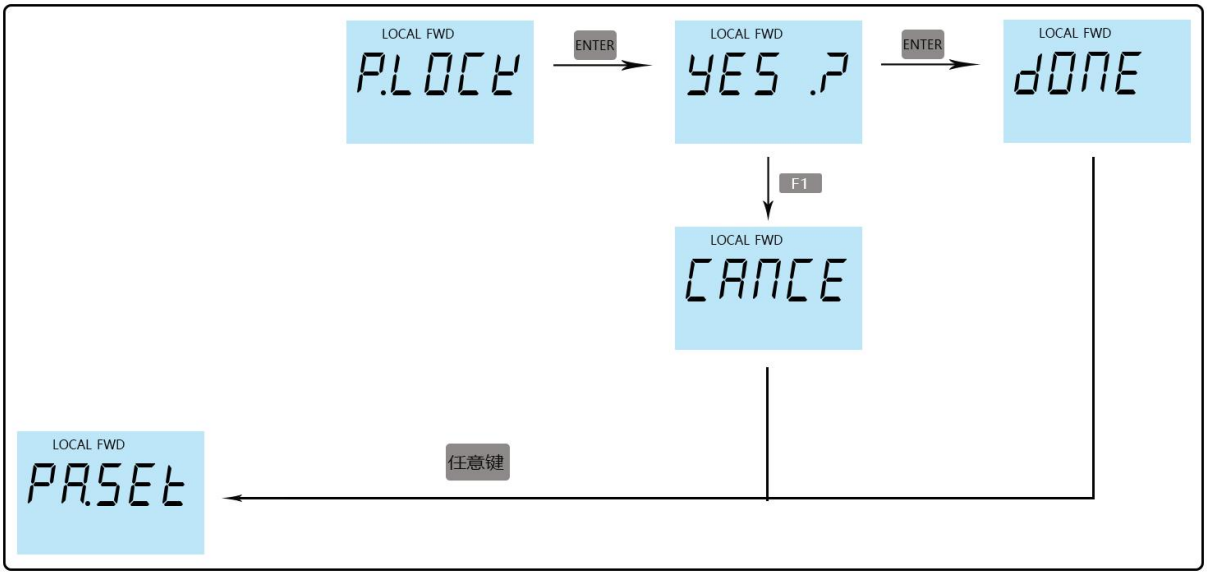

主菜单
一级子菜单
二级子菜单
参数值
LOCAL FWD
PAr
ENTER
F1
PASEt
P.0300
P. 16.02
YES .P
55.0

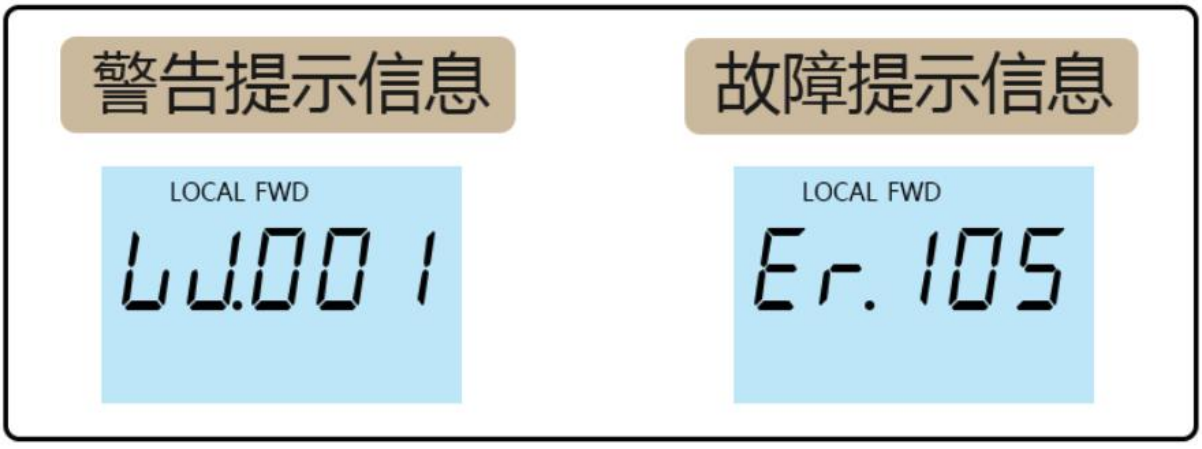

一级子菜单
选择参数
参数值
LOCAL FWD
PA.SEt
ENTER
F1
LOCAL FWD
P.03.00
ENTER (有权限)
LOCAL FWD
1
(无权限)
ENTER
上下左右设置
ENTER保存
LOCAL FWD
NoNE

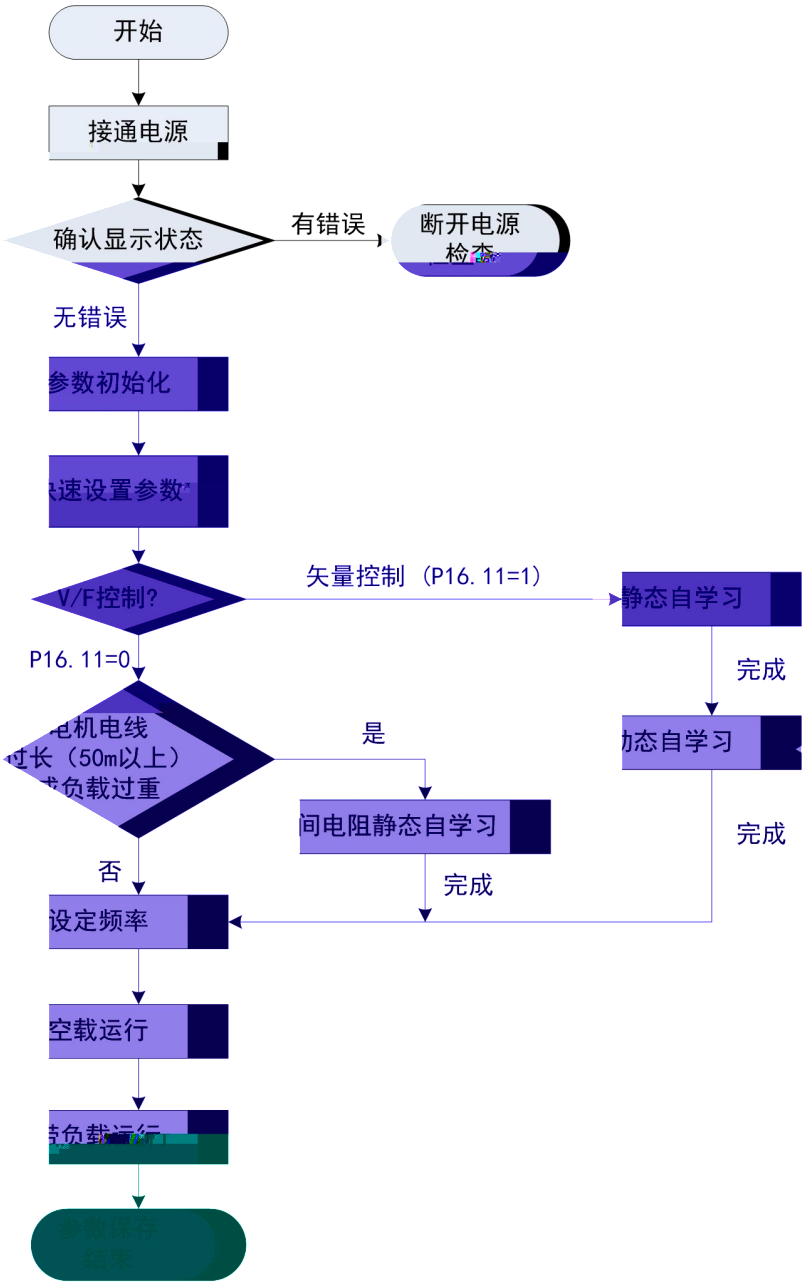

确认选择
参数号
参数值
LOCAL FWD
ENTER
F1
任意键
CANCE
P.16.03
F1退出

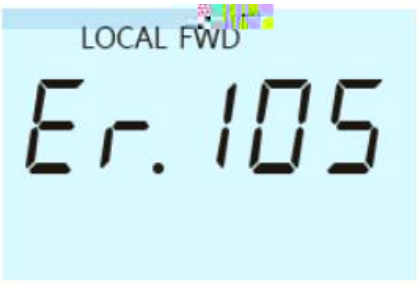

已经在自学习
LOCAL FWD
tUNE.1
ENTER
没有进行自学习
LOCAL FWD
YES .P
ENTER
LOCAL FWD
t 1.PrC
LOCAL FWD
t 1-0Y
F1


LOCAL FWD
PASWJ
ENTER
F1
LOCAL FWD
P.- - - 1
LOCAL FWD
FAULt
ENTER
密码错误
F1
LOCAL FWD
CANCE
密码正确
dONE
LOCAL FWD
PASEt
任意键

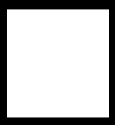

LOCAL FWD
P.LOCY
ENTER
LOCAL FWD
YES .P
ENTER
LOCAL FWD
dONE
F1
LOCAL FWD
CANCE
LOCAL FWD
PASEt
任意键

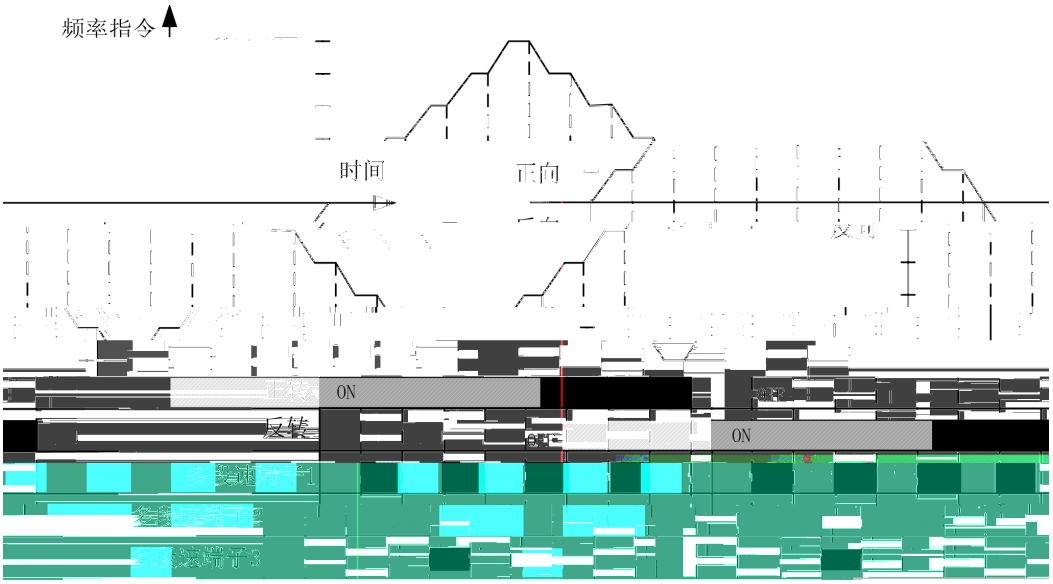

警告提示信息
故障提示信息
LOCAL FWD
LJ.001
LOCAL FWD
Er.105

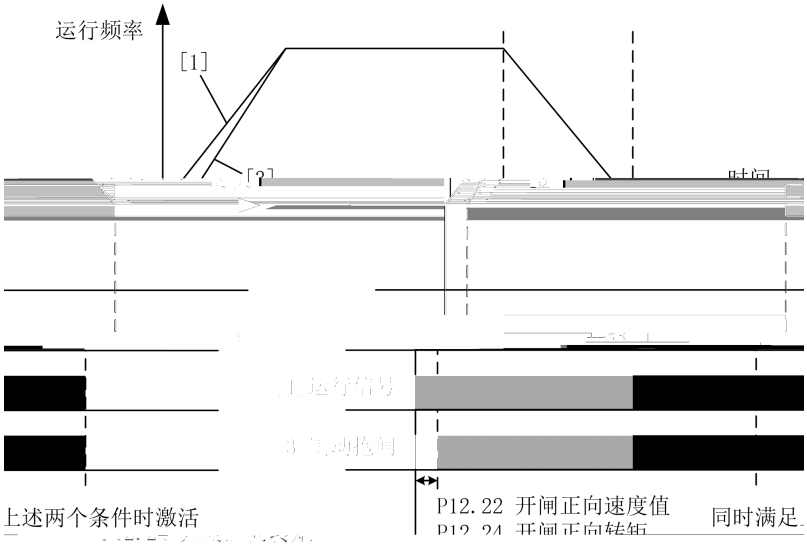

开始
接通电源
确认显示状态
有错误
断开电源
检查
无错误
参数初始化
速设置参数
V/F控制?
矢量控制（P16. 11=1）
静态自学习
完成
P16. 11=0
电机电线
过长（50m以上）
负载过重
是
动态自学习
间电阻静态自学习
完成
完成
否
设定频率
空载运行
负载运行

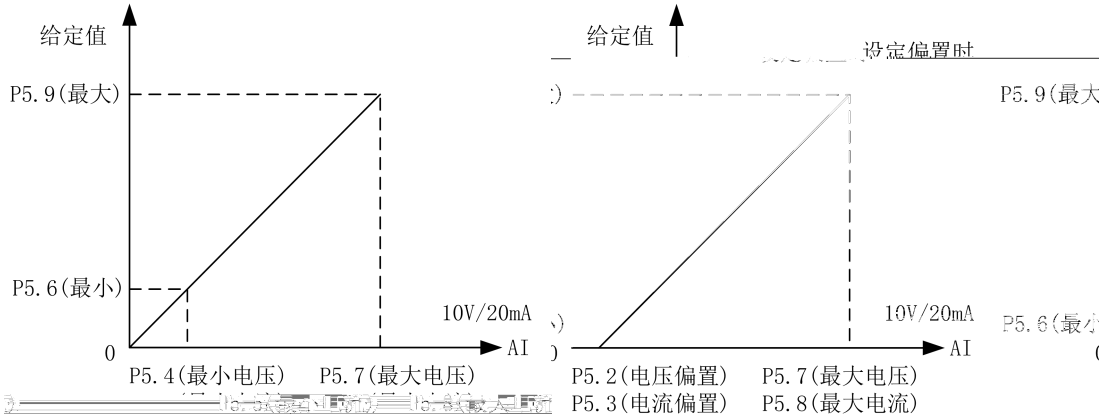
	LOCAL FWD 0.0 Hz	
	 LOCAL FWD Er. 105	
	COMM.F	

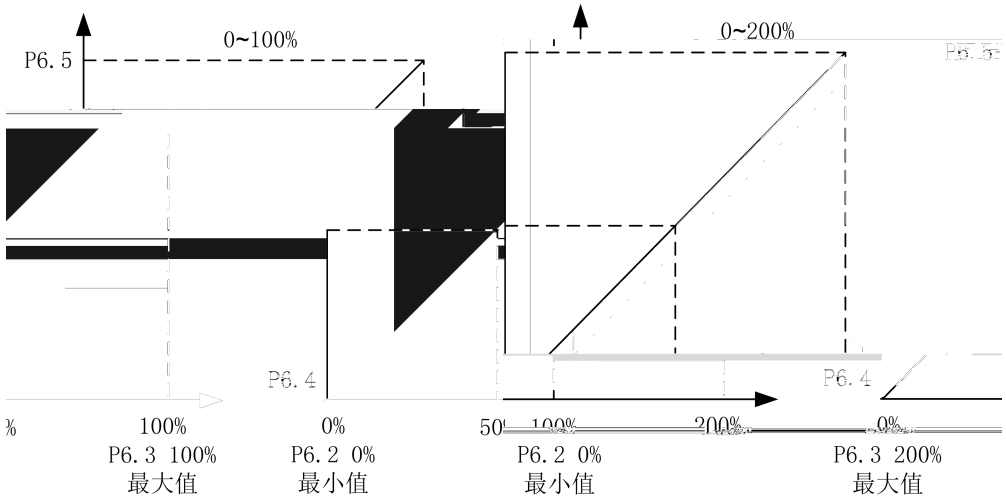
e (

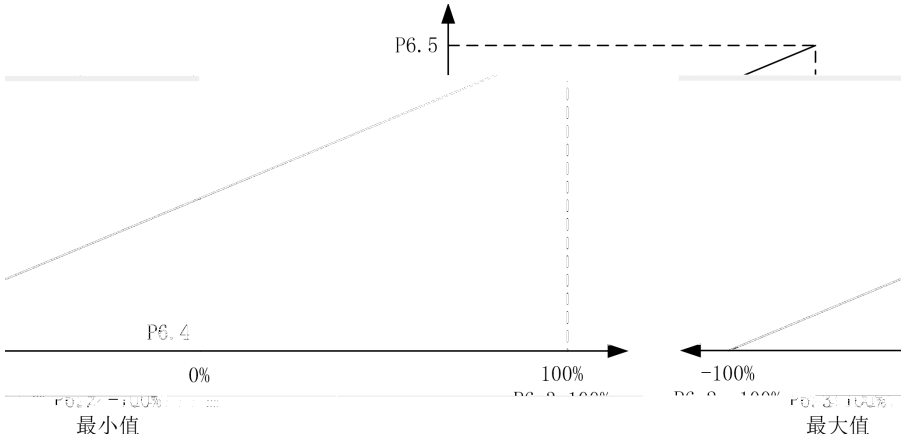



频率指令
时间
正向
ON
反转
ON

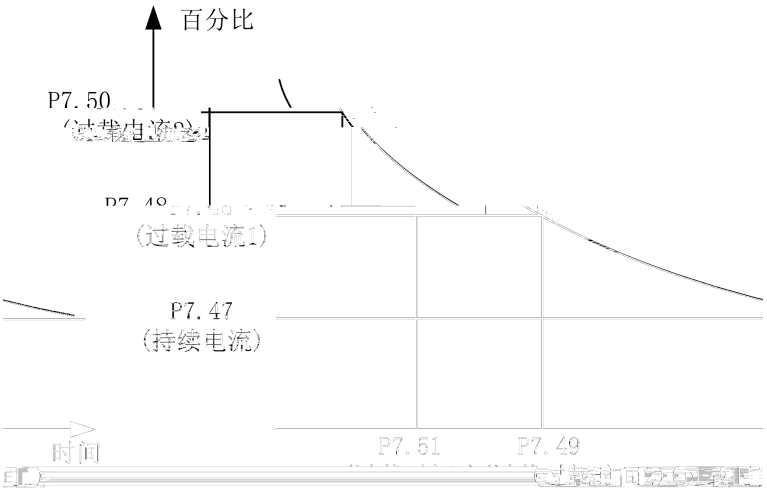

运行频率
[1]
[2]
时间
上述两个条件时激活
P12.22 开闸正向速度值
同时满足


给定值
P5.9(最大)
P5.6(最小)
0
10V/20mA
AI
P5.4(最小电压)
P5.7(最大电压)
给定值
P5.9(最大
10V/20mA
AI
P5.2(电压偏置)
P5.7(最大电压)
P5.3(电流偏置)
P5.8(最大电流)


P6.5
0~100%
0~200%
P6.4
P6.4
100%
0%
100%
200%
0%
P6.3 100%
最大值
P6.2 0%
最小值
P6.2 0%
最小值
P6.3 200%
最大值


P6.5
P6.4
0%
100%
-100%
最小值
最大值

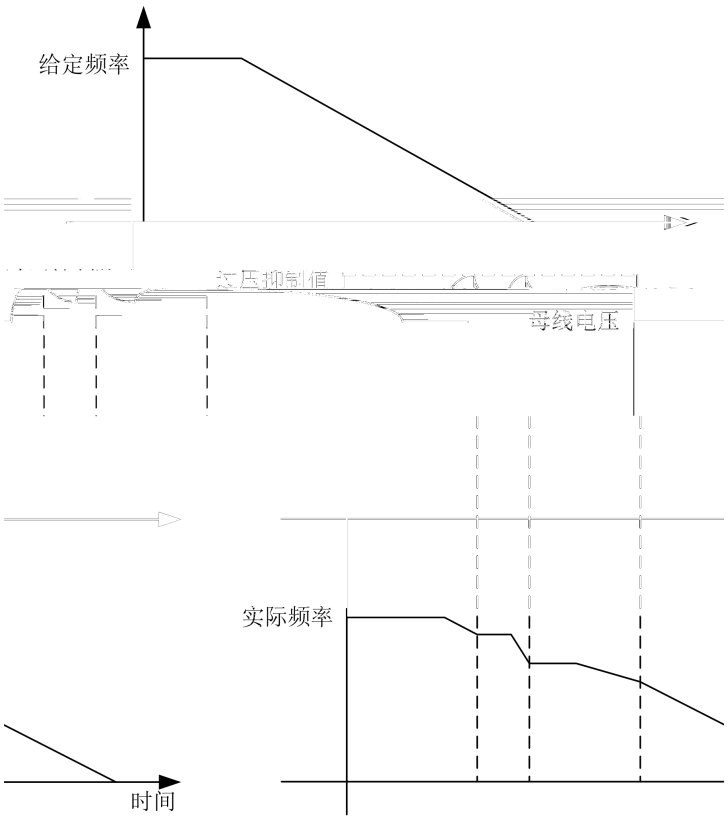
$I_a + I_b + I_c$ $\frac{I_a + I_b + I_c}{} > P$ P

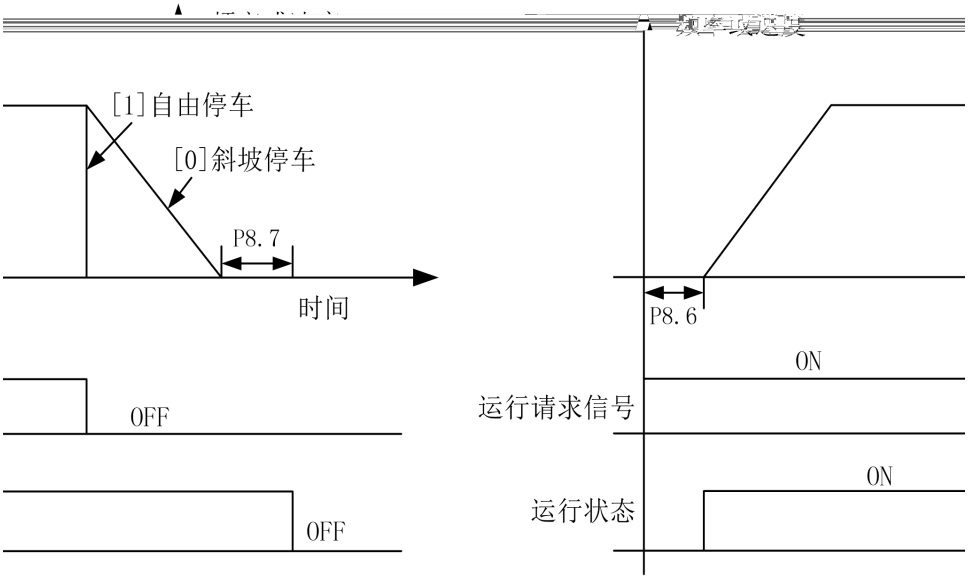

百分比
P7.50
(过载电流2)
(过载电流1)
P7.47
(持续电流)
时间
P7.51
P7.49

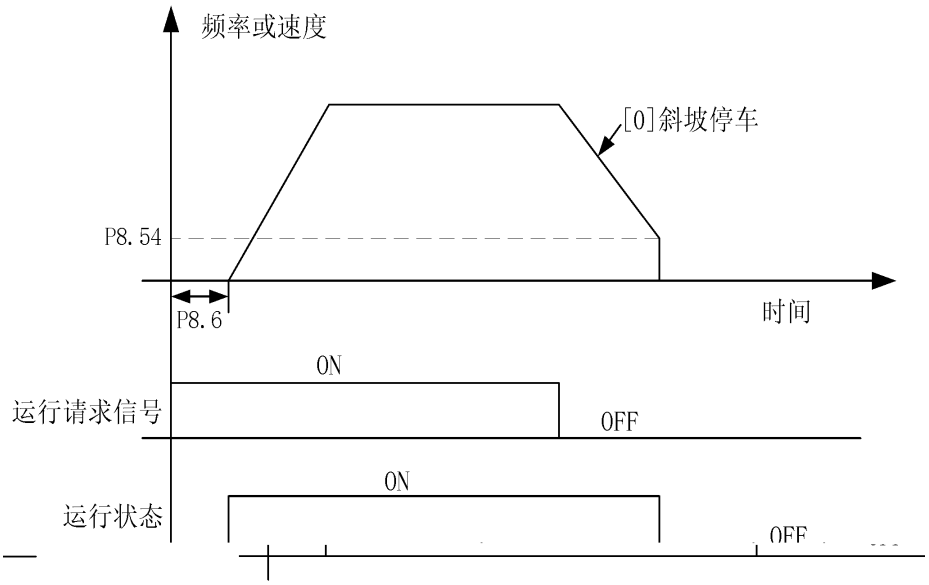
√ + +

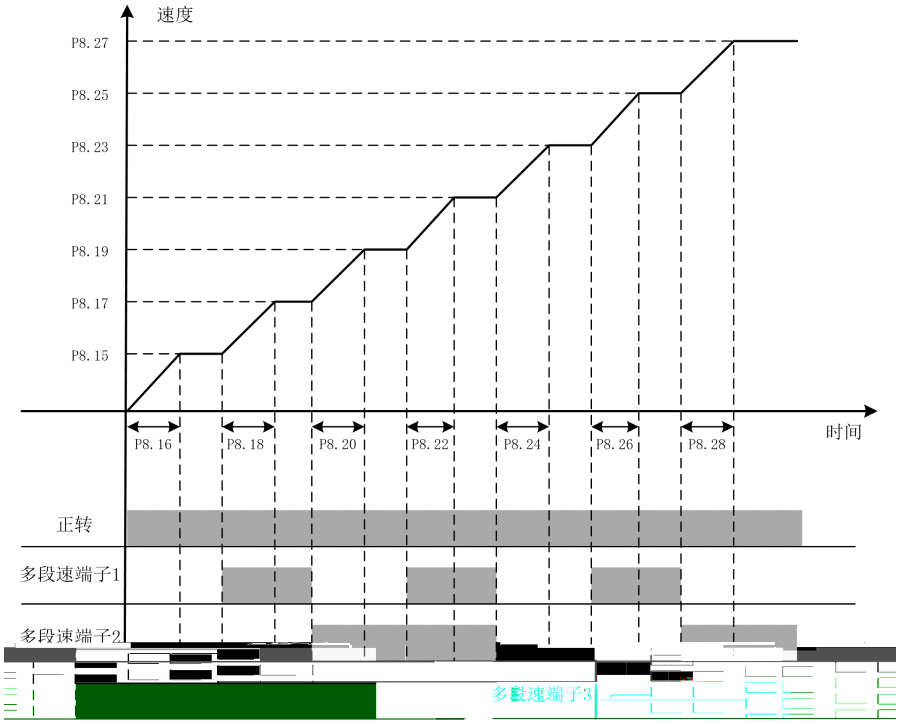
√ + +

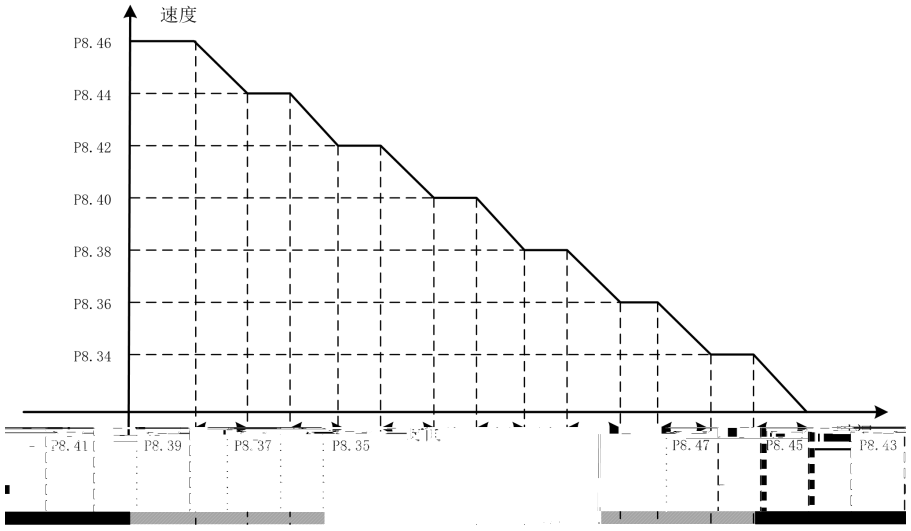
√ + +

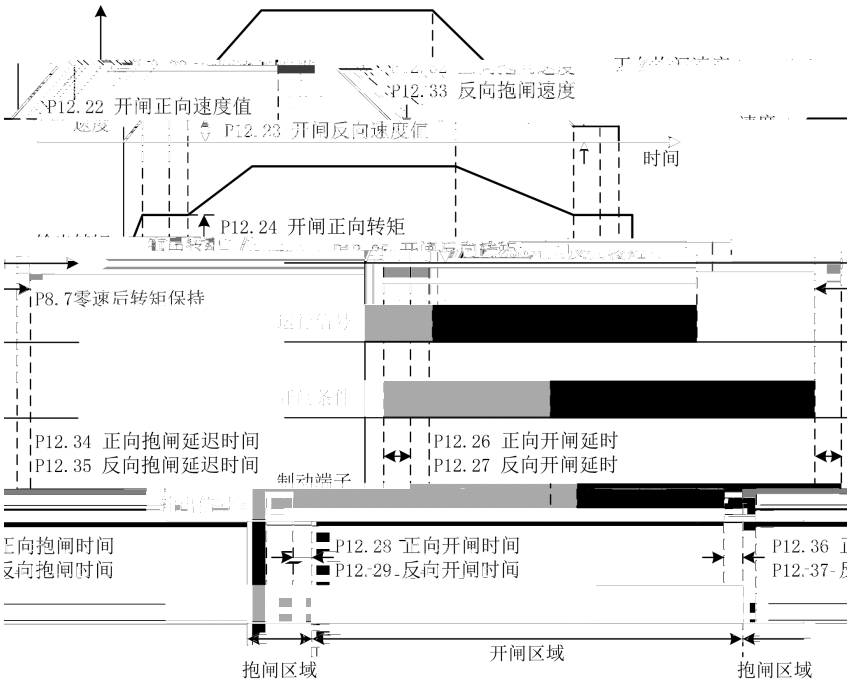

给定频率
过压抑制值
母线电压
实际频率
时间

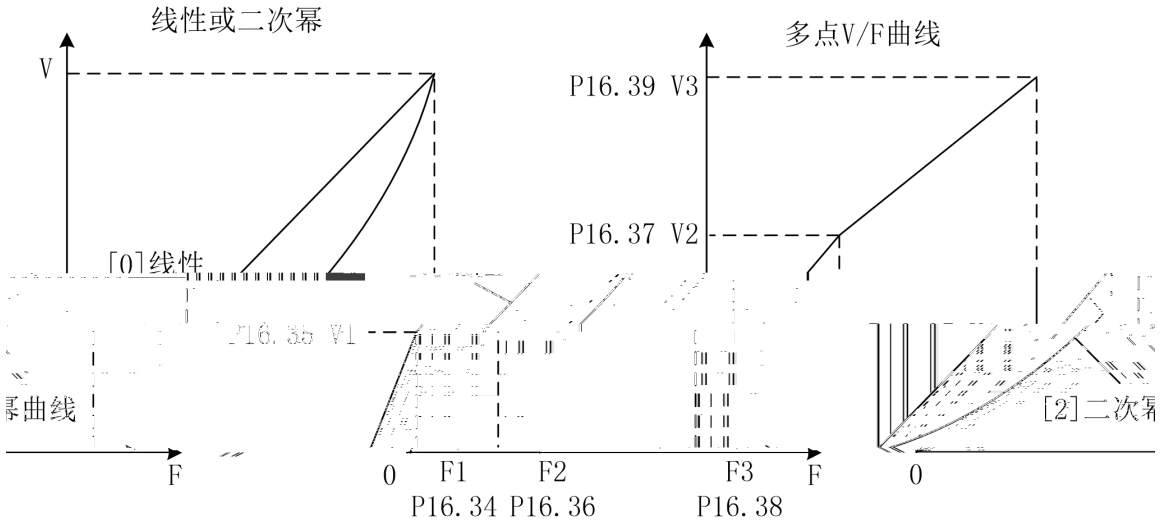

[1]自由停车
[0]斜坡停车
P8.7
时间
P8.6
ON
运行请求信号
OFF
ON
运行状态
OFF

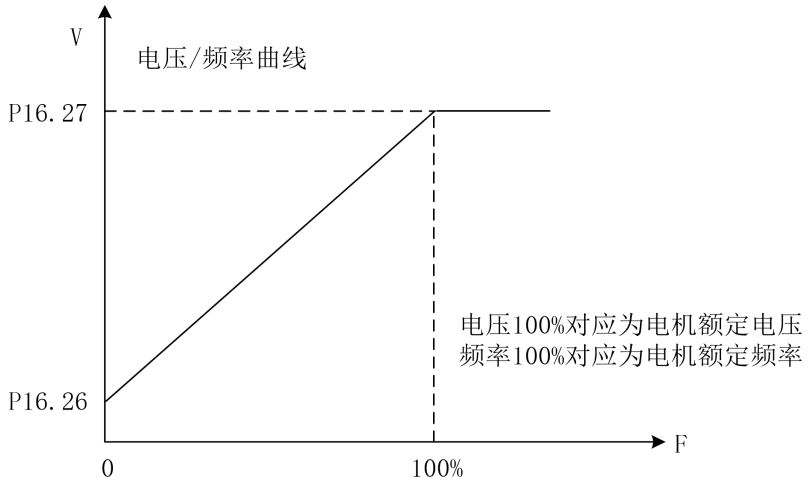

频率或速度
[0]斜坡停车
P8.54
P8.6
时间
ON
运行请求信号
OFF
ON
运行状态
OFF

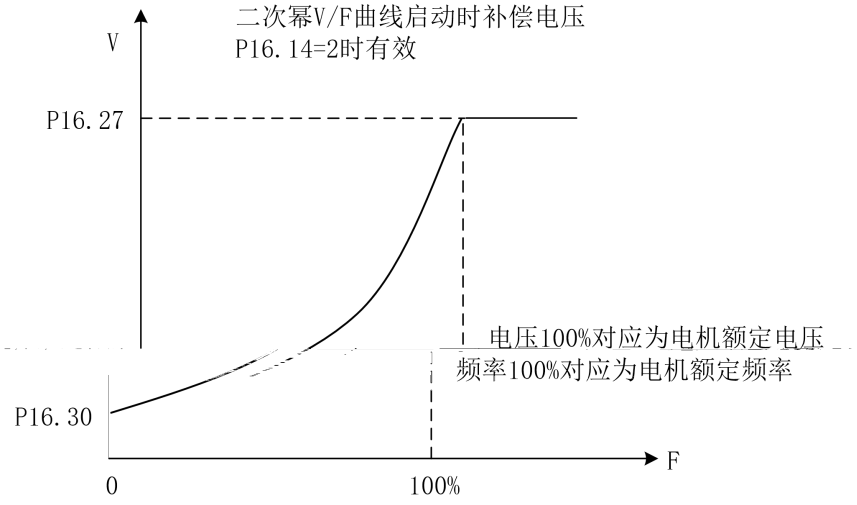

速度
P8.27
P8.25
P8.23
P8.21
P8.19
P8.17
P8.15
P8.16
P8.18
P8.20
P8.22
P8.24
P8.26
P8.28
时间
正转
多段速端子1
多段速端子2
多段速端子3

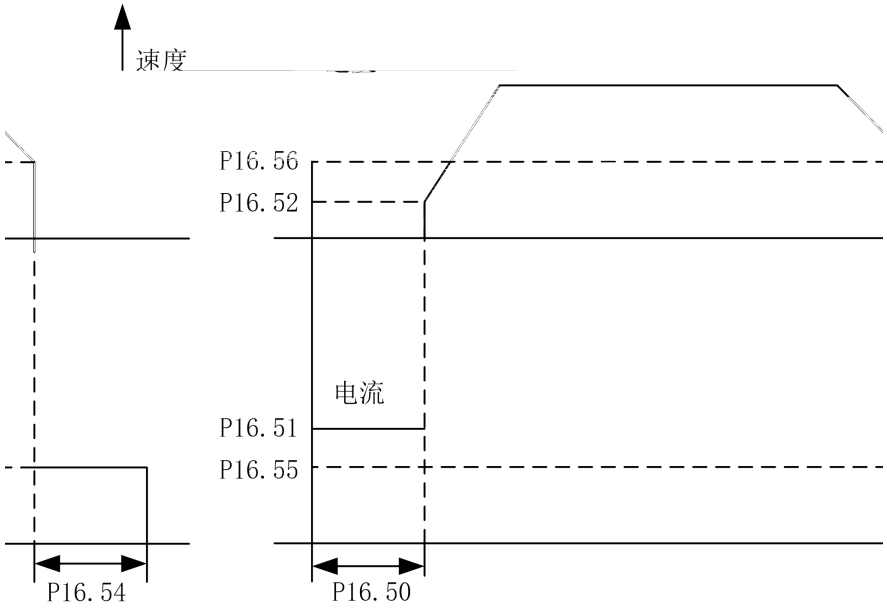

速度
P8.46
P8.44
P8.42
P8.40
P8.38
P8.36
P8.34
P8.41
P8.39
P8.37
P8.35
P8.47
P8.45
P8.43

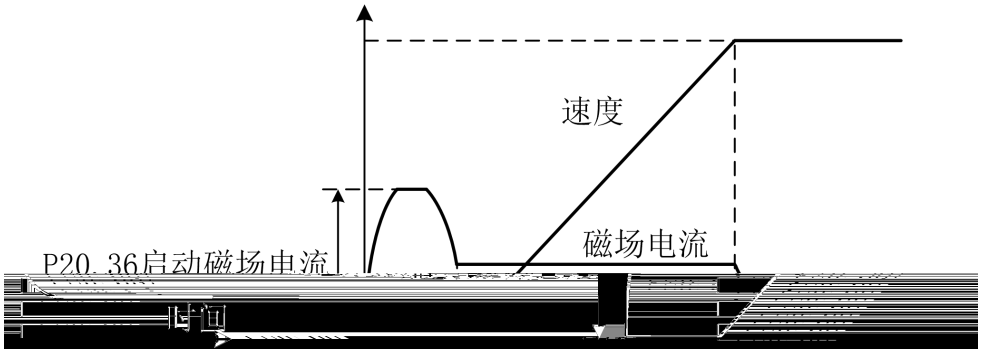

P12.22 开闸正向速度值
P12.33 反向抱闸速度
P12.23 开闸反向速度值
时间
P12.24 开闸正向转矩
P8.7零速后转矩保持
P12.34 正向抱闸延迟时间
P12.35 反向抱闸延迟时间
P12.26 正向开闸延时
P12.27 反向开闸延时
P12.28 正向开闸时间
P12.29 反向开闸时间
抱闸区域
开闸区域
抱闸区域

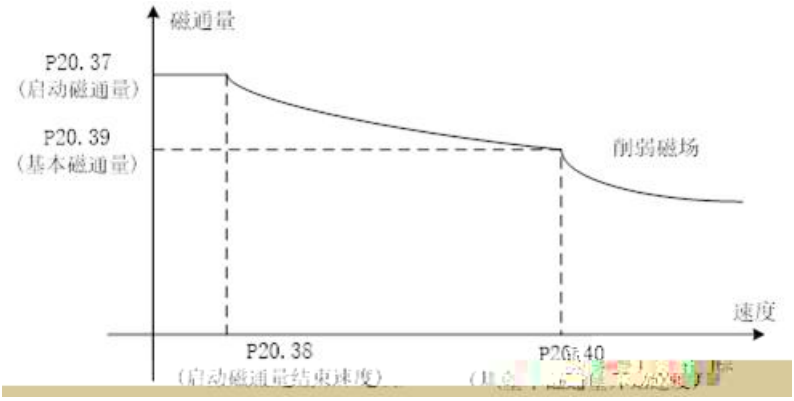

线性或二次幂
V
[0]线性
P16.35 V1
幂曲线
F
0
F1
F2
P16.34
P16.36
多点V/F曲线
P16.39 V3
P16.37 V2
F3
F
0
[2]二次幂

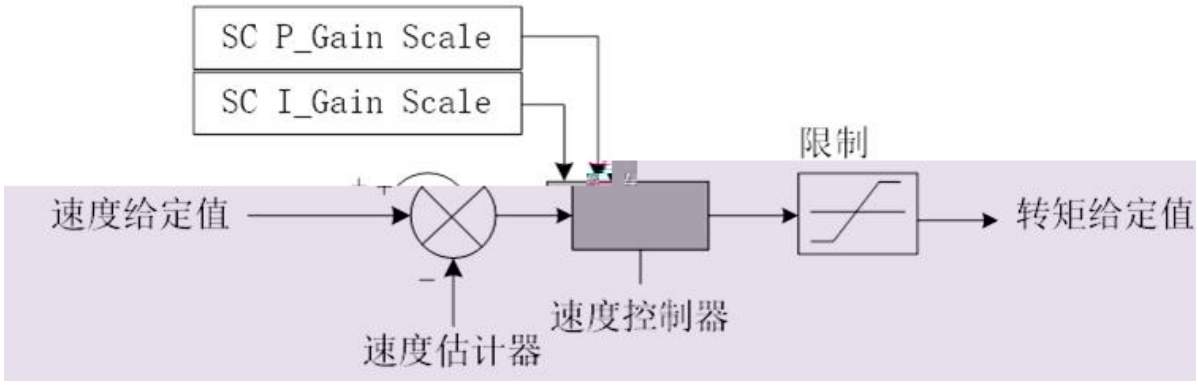

V
电压/频率曲线
P16.27
P16.26
电压100%对应为电机额定电压
频率100%对应为电机额定频率
0
100%
F

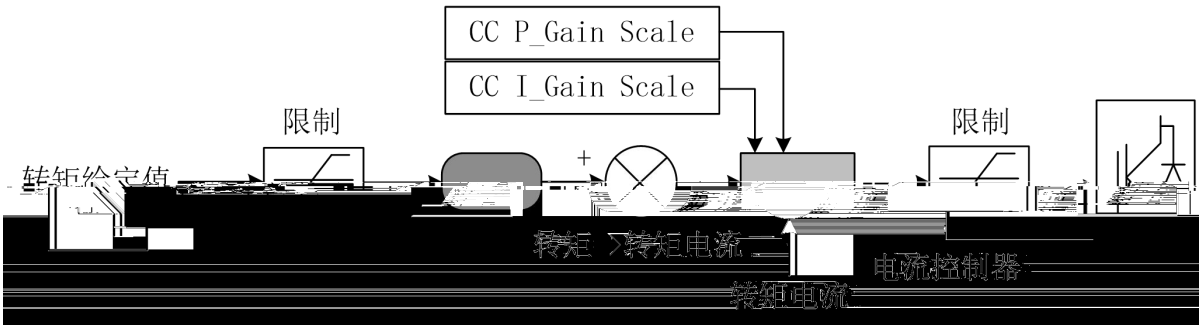

二次幂V/F曲线启动时补偿电压
P16.14=2时有效
V
P16.27
P16.30
电压100%对应为电机额定电压
频率100%对应为电机额定频率
F
0
100%

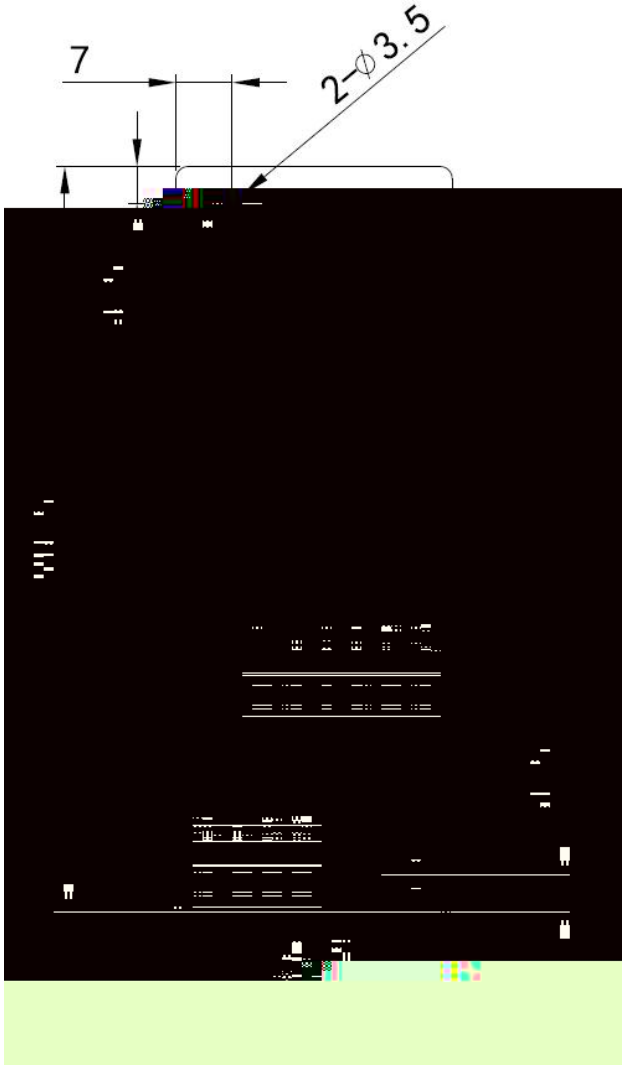

速度
P16.56
P16.52
电流
P16.51
P16.55
P16.54
P16.50

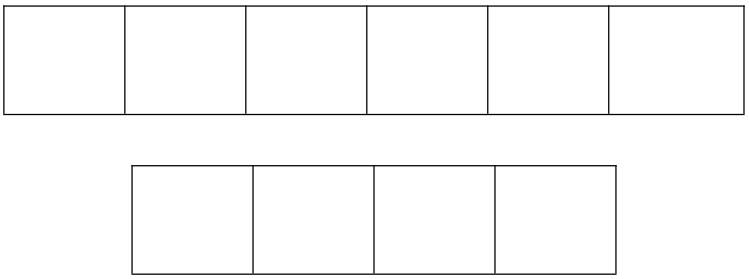

速度
磁场电流
P20.36启动磁场电流

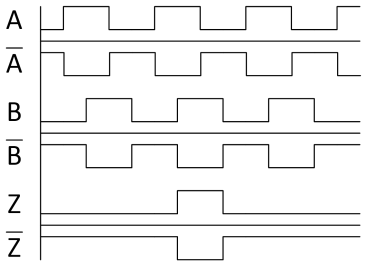

磁通量
P20.37
（启动磁通量）
P20.39
（基本磁通量）
削弱磁场
速度
P20.38
（启动磁通量结束速度）

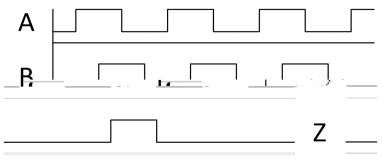

SC P_Gain Scale
SC I_Gain Scale
限制
速度给定值
转矩给定值
速度估计器
速度控制器

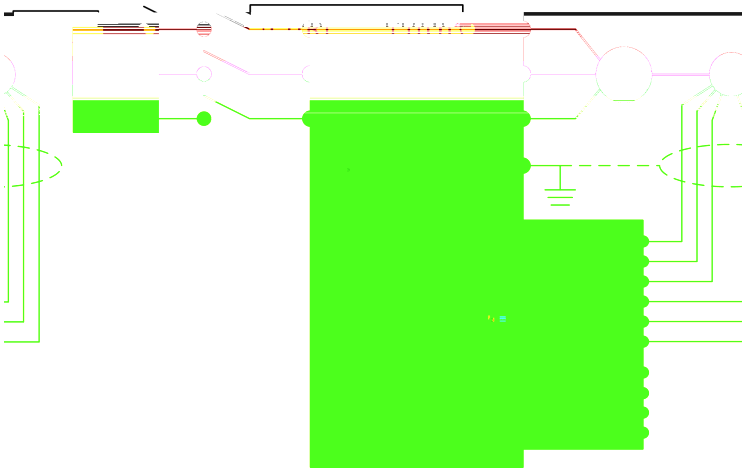

CC P_Gain Scale
CC I_Gain Scale
限制
限制
转矩给定值
转矩/转矩电流
电流控制器
转矩电流

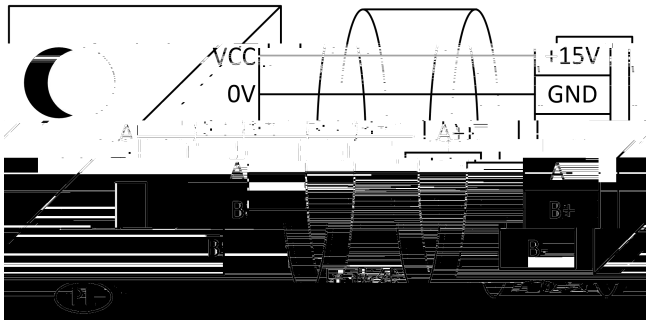

7
2-∅3.5

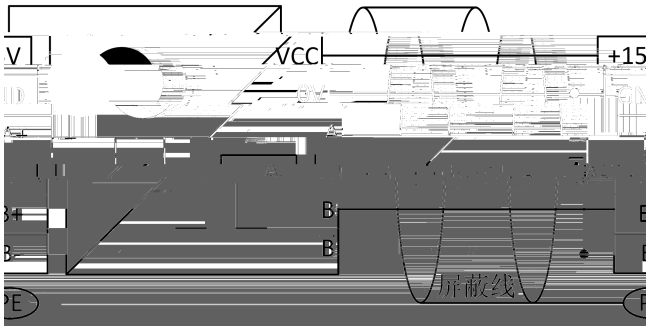


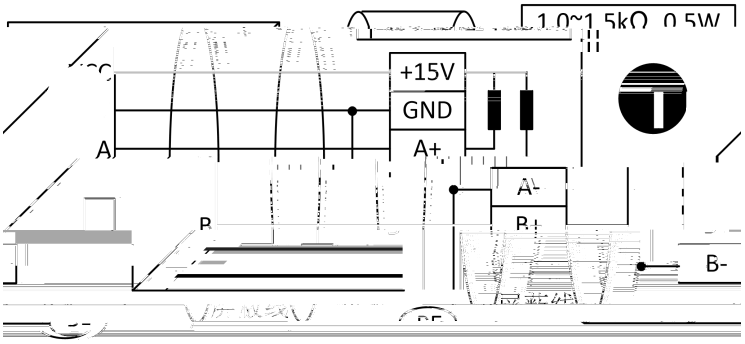

A
$\overline{A}$
B
$\overline{B}$
Z
$\overline{Z}$

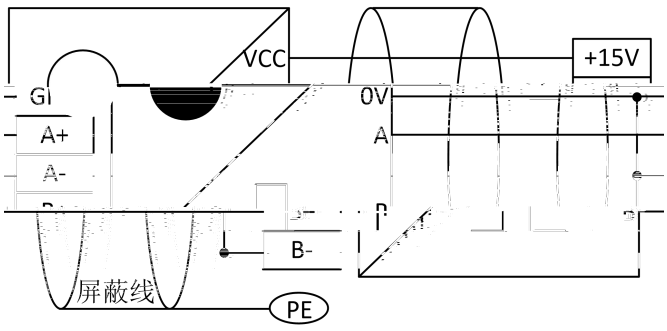

A
B
Z

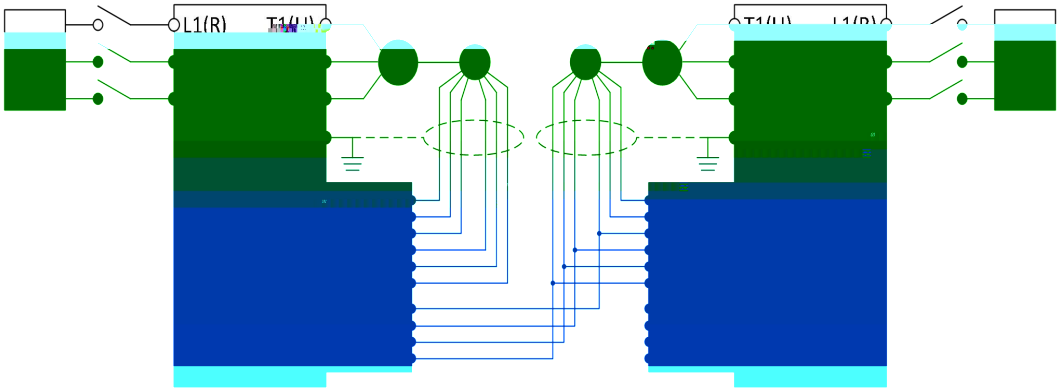


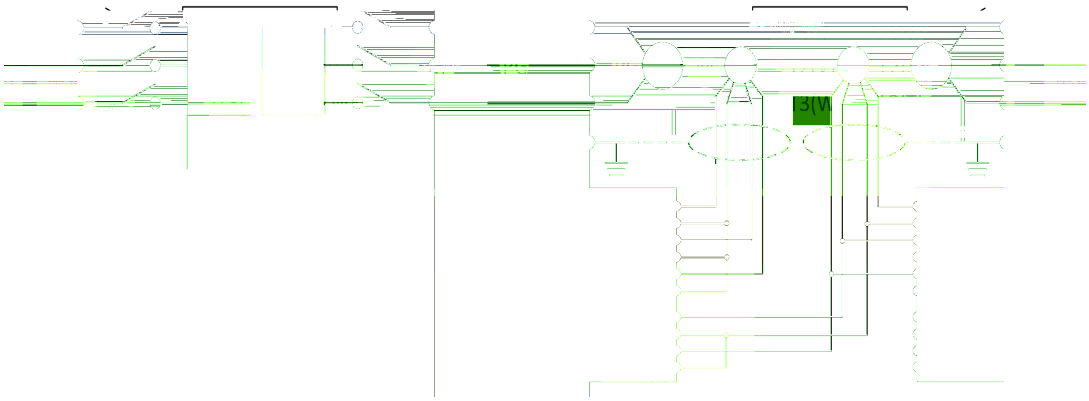

VCC
0V
15V
GND
A+
B-
B+

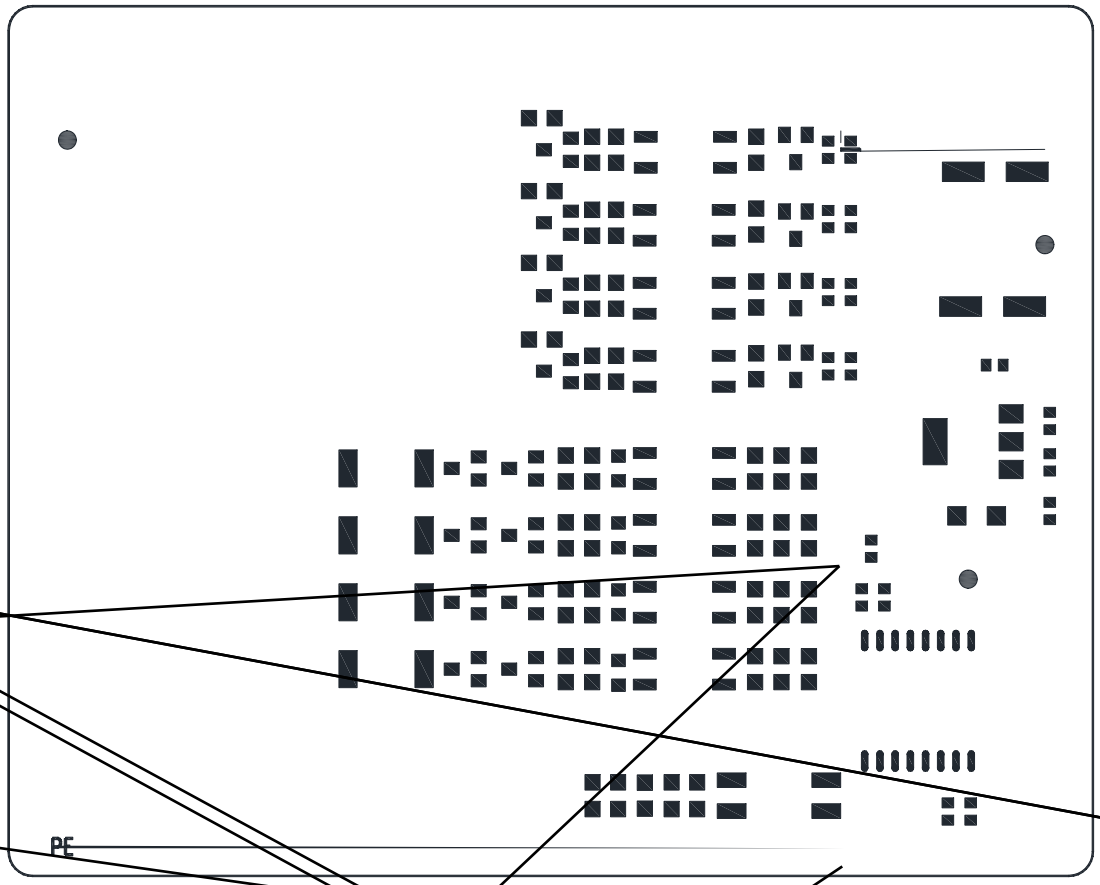

VCC
+15
B
B
屏蔽线


+15V
GND
A+
A-
B-

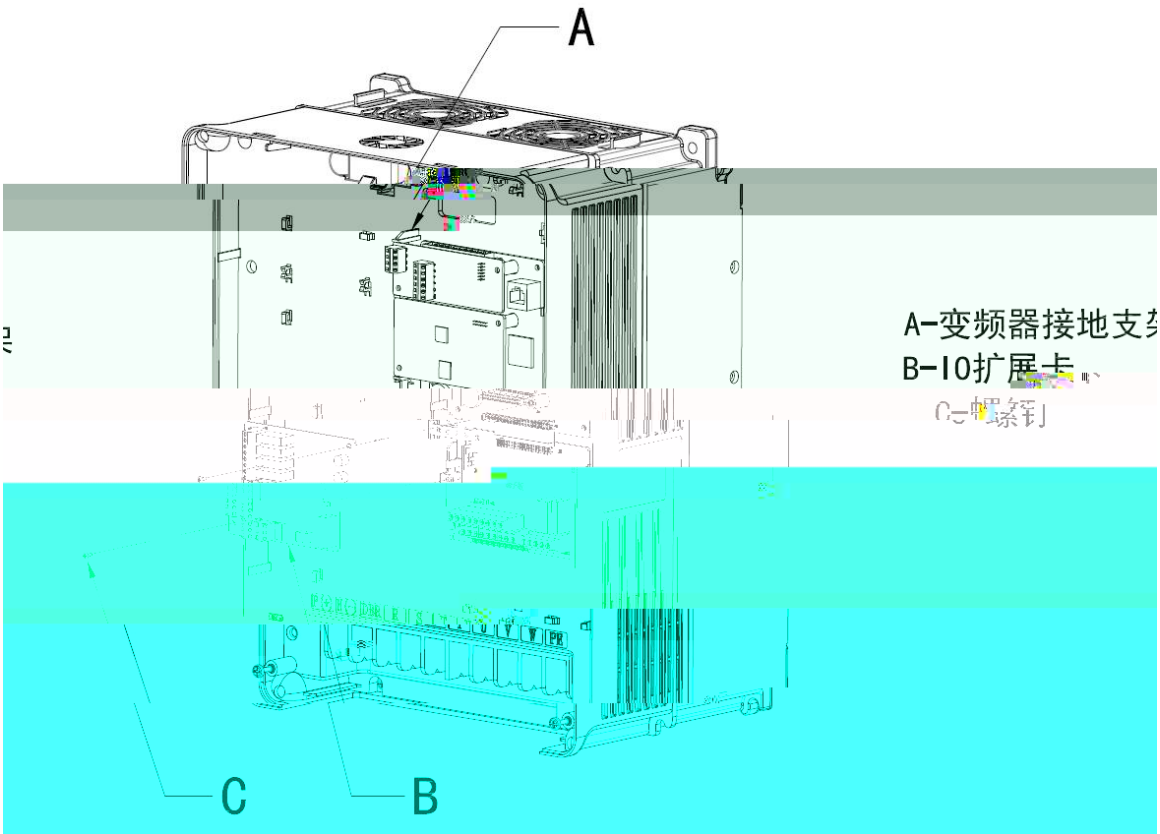

VCC
+15V
0V
A+
A-
B-
屏蔽线
PE

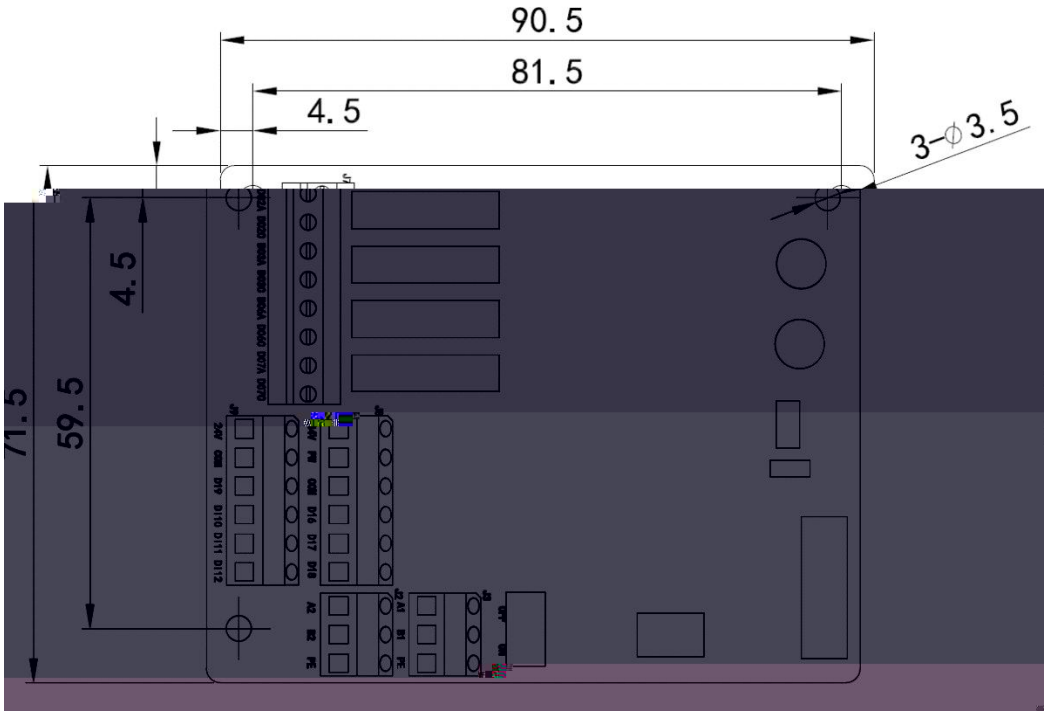

L1(R)





GUIDE


A
A-变频器接地支
B-IO扩展卡
C-螺钉
C
B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4.5
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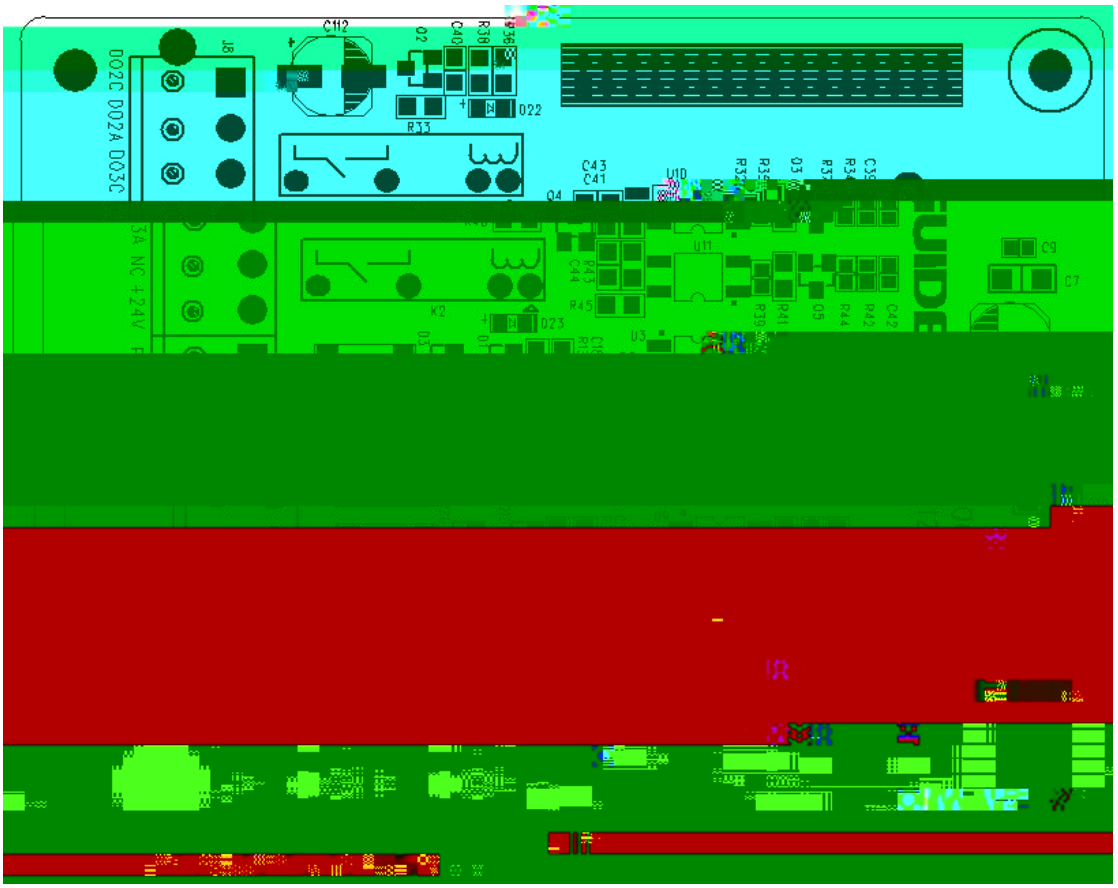
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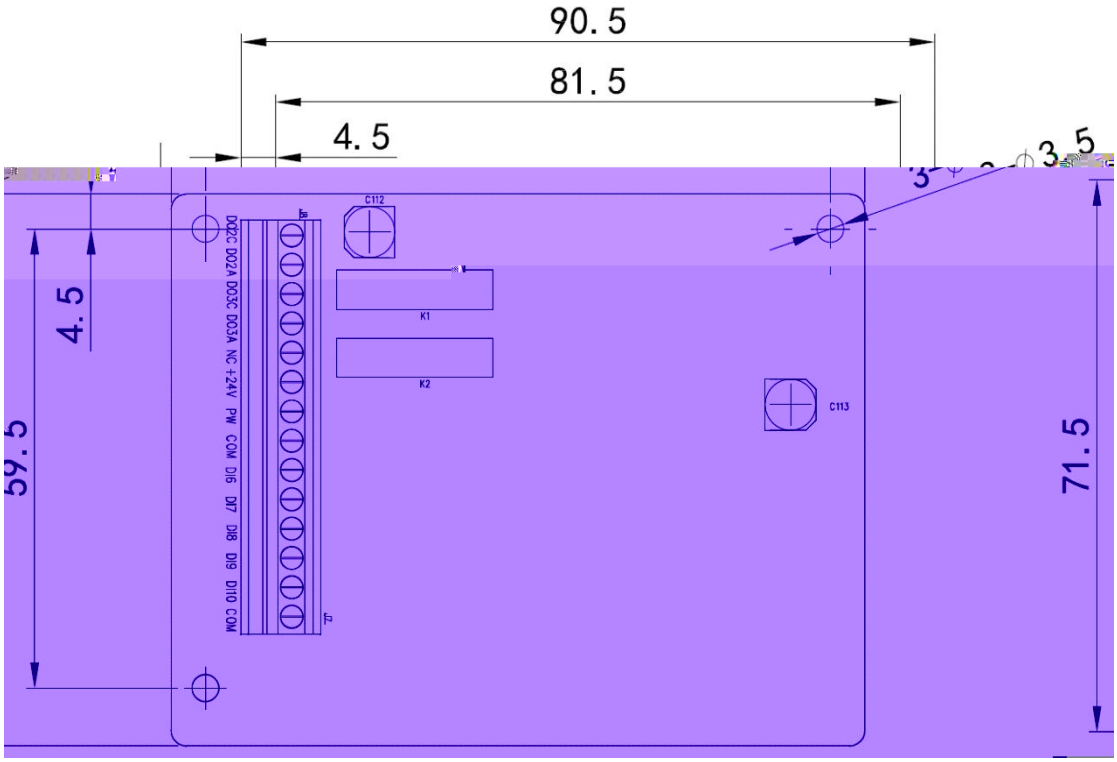
Q2
C40
R38
R36
D22
R33
C43
C41
Q4
U10
U11
R43
C44
R45
K2
D23
U3
R41
Q5
R44
R42
C42
C9
C7
DO2C DO2A DO3C
3A NC +24V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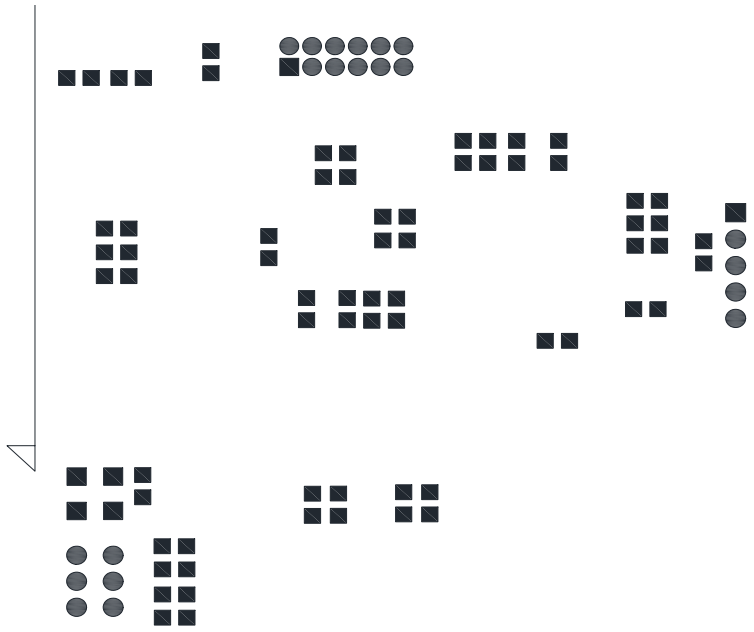
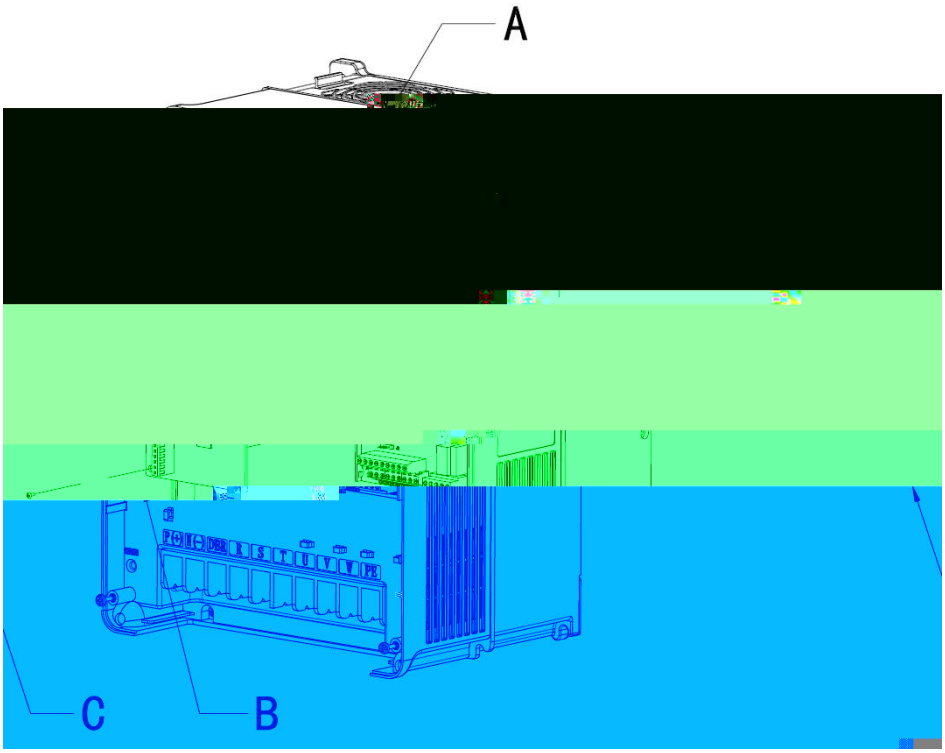
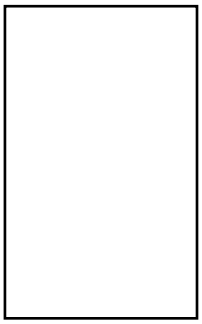
C112
K1
K2
C113
D02C D02A D03C D03A NC +24V PW COM DI6 DI7 DI8 DI9 DI10 COM




A
C
B



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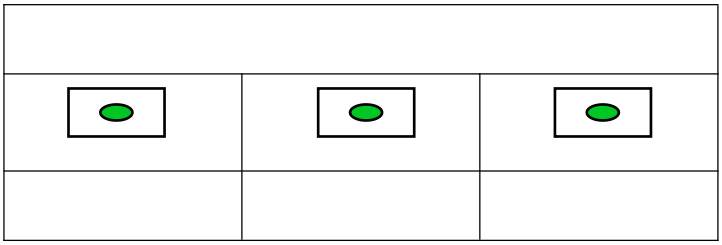

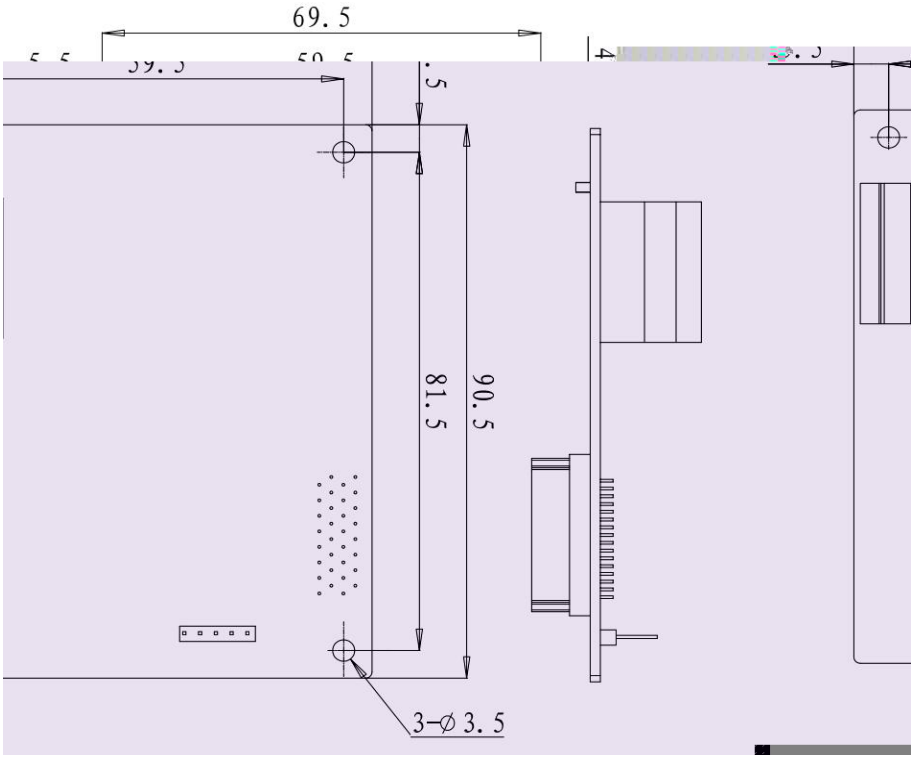
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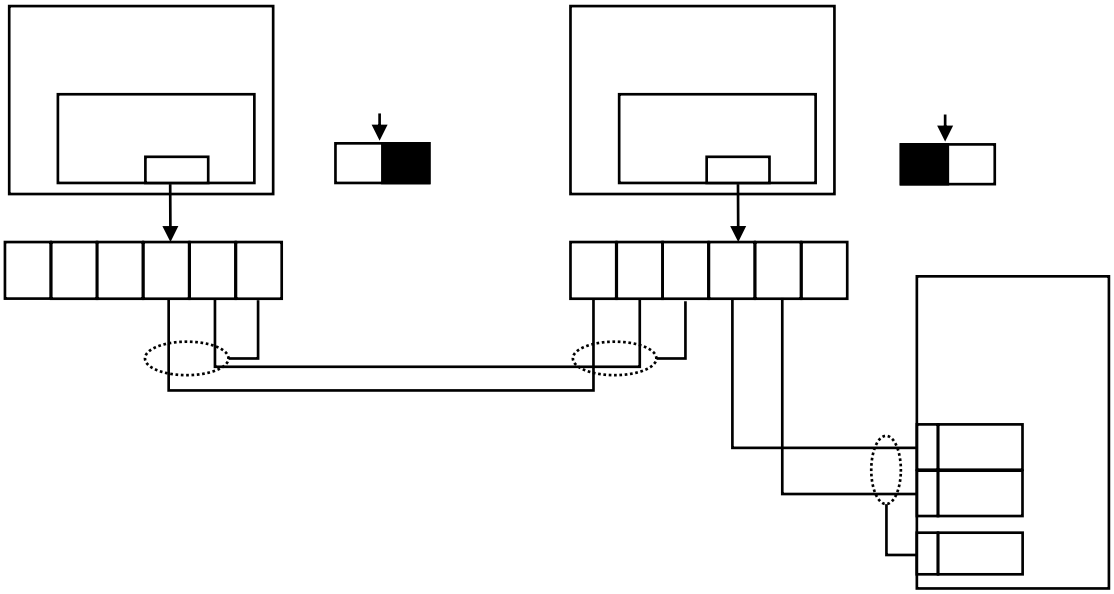

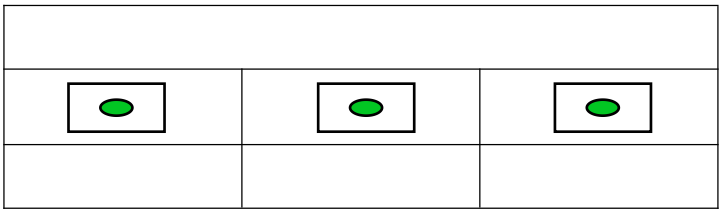

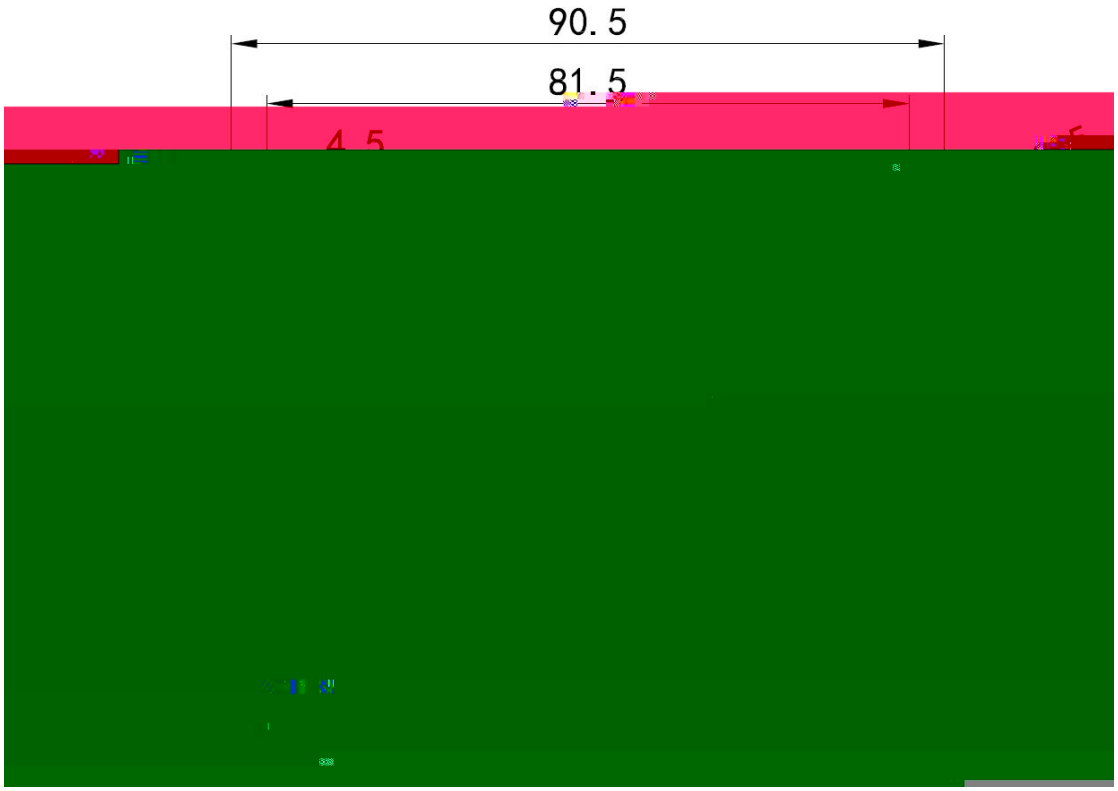
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81. 5
4. 5