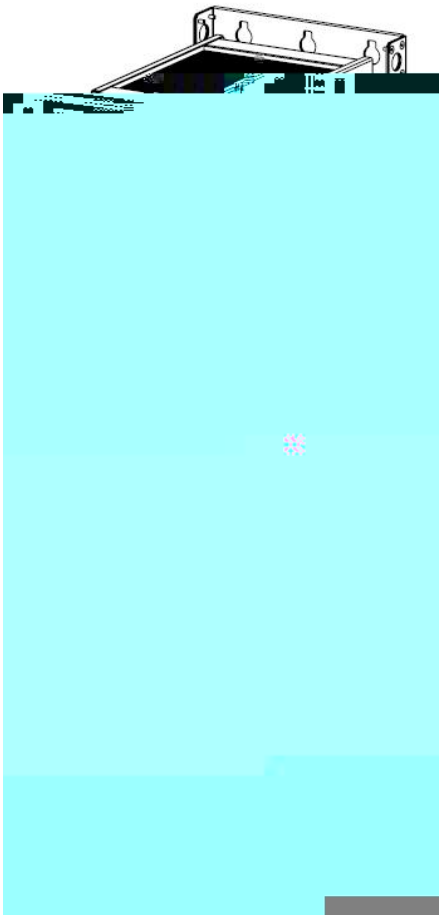
HF680NLC

690V

1.00

Wuhan GUIDE Technology Co.,Ltd



RTG

1 10
1.1 10
1.2 12
1.3 13
1.3.1 13
1.4 14
1.5 15
1.6 15
2 16
2.1 16
2.2 16
2.3 17
2.4 18
2.4.1 18
2.4.2 18
3 19
3.1 19
3.2 21
3.2.1 5

8.2 49
8.3 49
8.4 50
8.5 50

1

2

3 “ ” “ ” “ ”

4

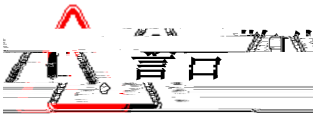


10





,

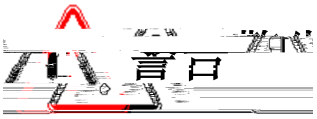




注意

3



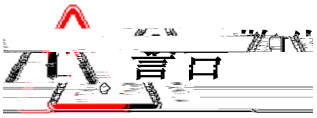


IEC

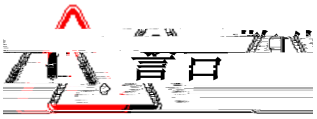












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1

RCD

RCM RCD

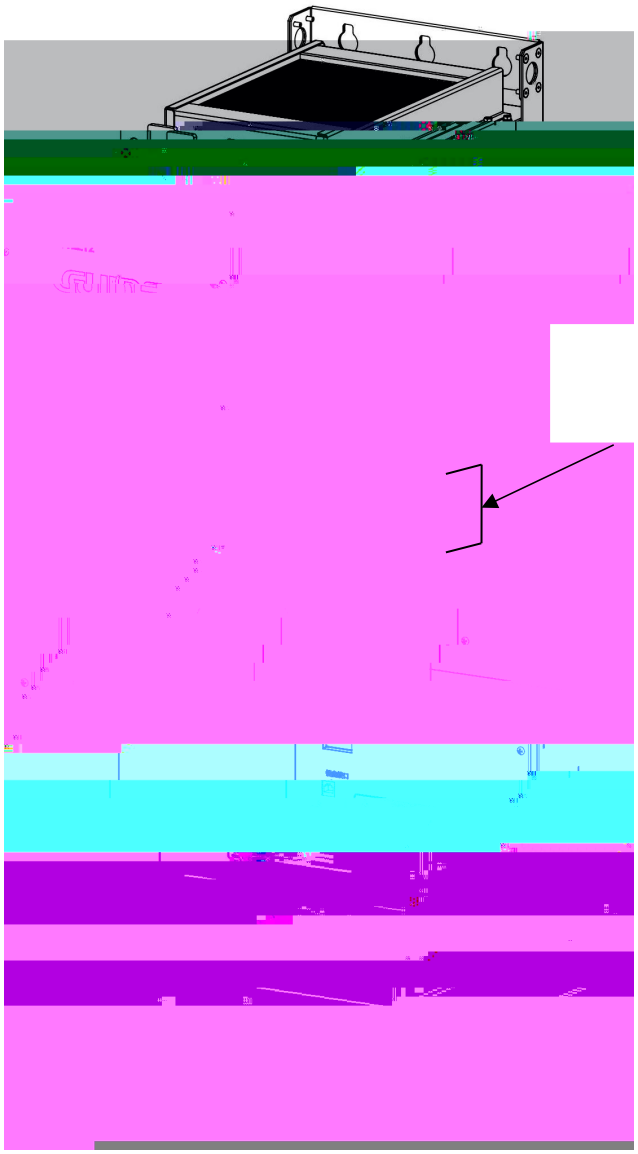
RCM

B RCD RCD

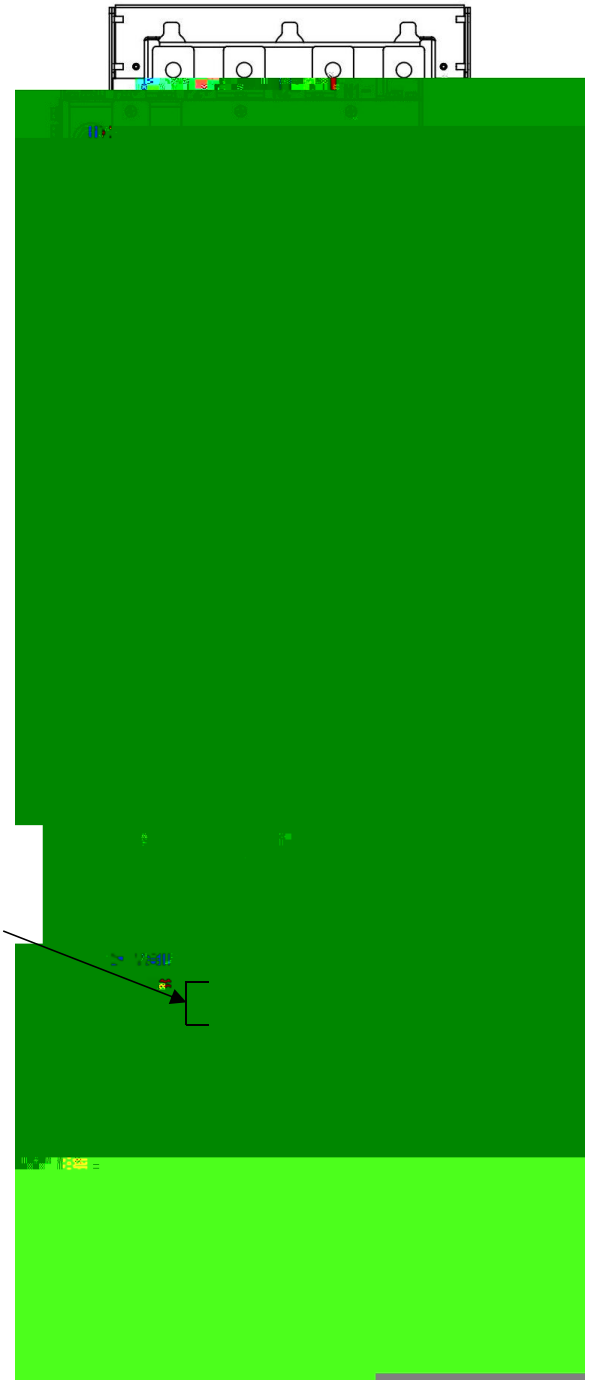
RCD RCD

2

3



HF680NLC04M-1935-6



HF680NLC04M-1935-6



1.2

(1) (SCR: Silicon Controlled Rectifler)

(2)

(3)

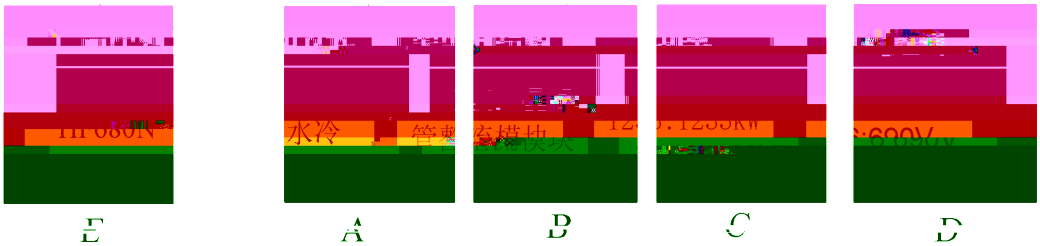
(4)

LVD	2014/35/EU	EN 61800-5-1
EMC	2014/30/EU	EN 61800-3

1.3

1

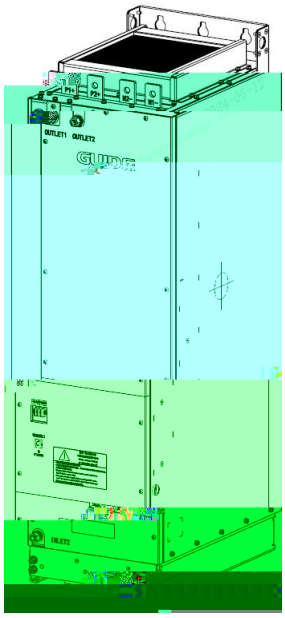
1.1



E A B C D

A HF680N

B - 5 m "



型号：HF680NLC04M-1935-6

额定功率：1935KW 整流模块 额

输入：AC3PH 525V-690V 50/60Hz

输出：DC 742-975V/2200A

Product ID.

F- STAND:V1.00

MADE IN CHINA

8888888A8A088

	A AC	A DC	KW	KVA	A DC	A DC	
HF680NLC04M-1233-6	1143	1400	1233	1370	1344	1120	P1
HF680NLC04M-1935-6	1796	2200	1935	2150	2112	1760	

1 1935kW

2

3

4 LCD LCD

GDHF-AMBX1 MODBUS-RTU RS485

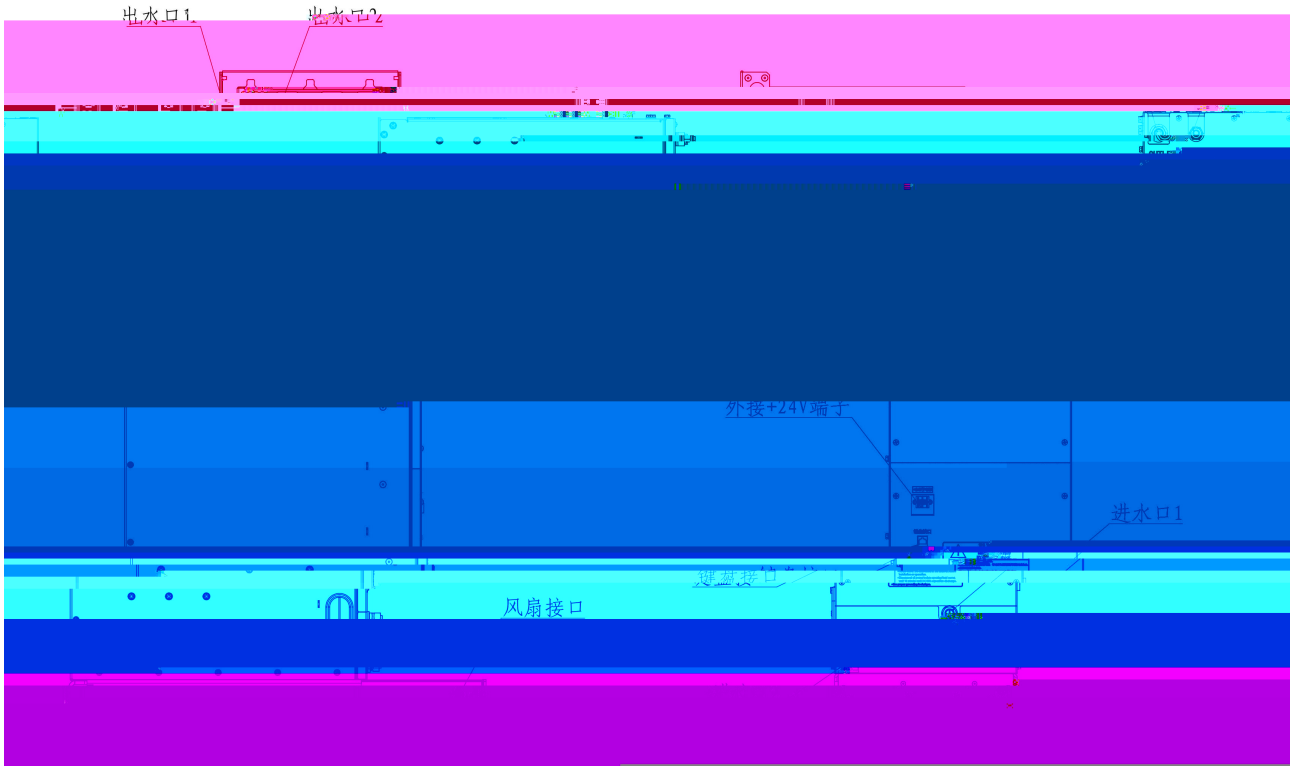
MB01 GDHF-AMBX1 MS485

PN	GDHF-APNX1	GDHF-APNX1 Profinet RJ45 HF680NLC04M
	GDHF-AKZY1	GDHF-AKZY1 LCD
2	2.8*8.8 2	2.8*8.8 2 HF680NLC04M

1 HF680NLC01M-1233-6+PN01 690V/1233kW Profinet

1.2

HF680NLC04M

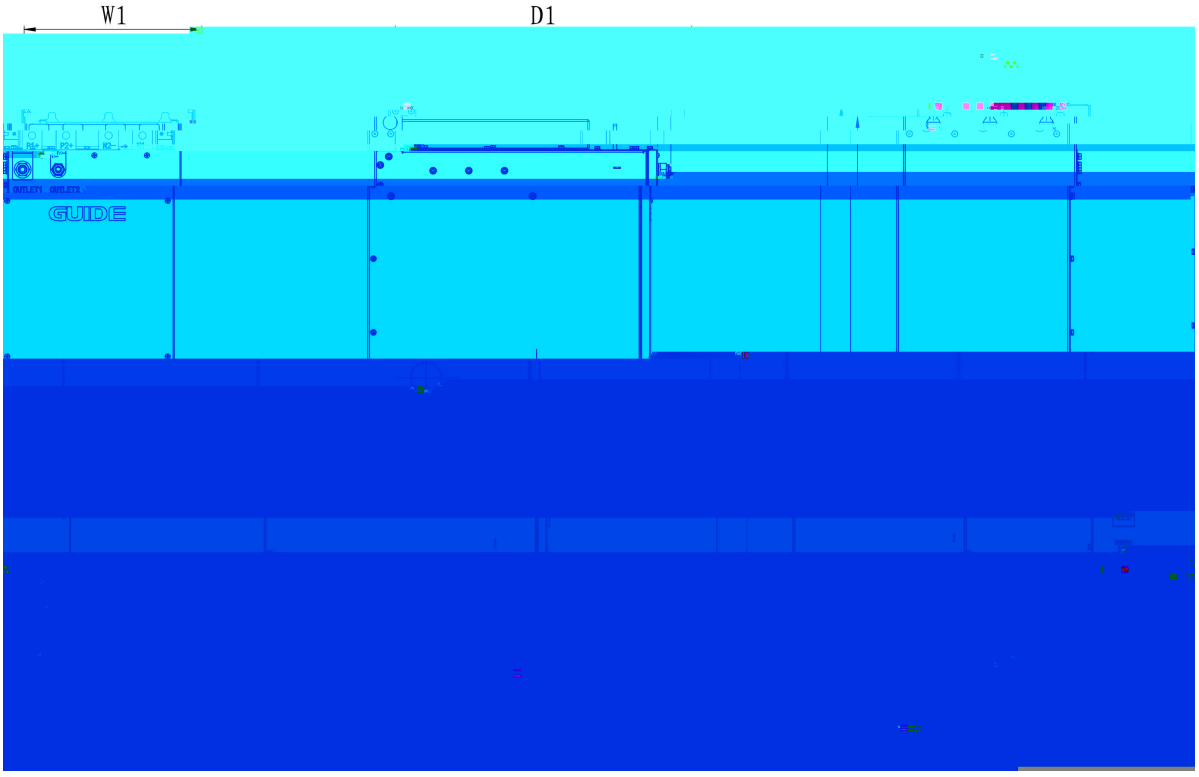


+24V	Ø3.2		
1 1	KFG2H1613-03	SMC	

1	1	T1613W	SMC	
2	2	KFG2H1209-03	SMC	
2	2	T1209W	SMC	

1.3

1.3.1



	mm					mm		8.8	kg
	H1	W1	W2	D1	D2	A	B		
HF680NLC03C-1233-6	1100	320	307	525	500	1064	200	6-φ13	6-M12	260
HF680NLC03C-1935-6										

1.4

2.3

2.4

2.4.1

	A	/ mm²	A	A
HF680NLC04M-1233-6	1250	500*2	1250	1800
HF680NLC04M-1935-6	2000	630*2	2000	3000

2.4.2

mm² AWG

* L1 mm L2 mm Φd mm ΦD mm

3

1. / “ ”

/

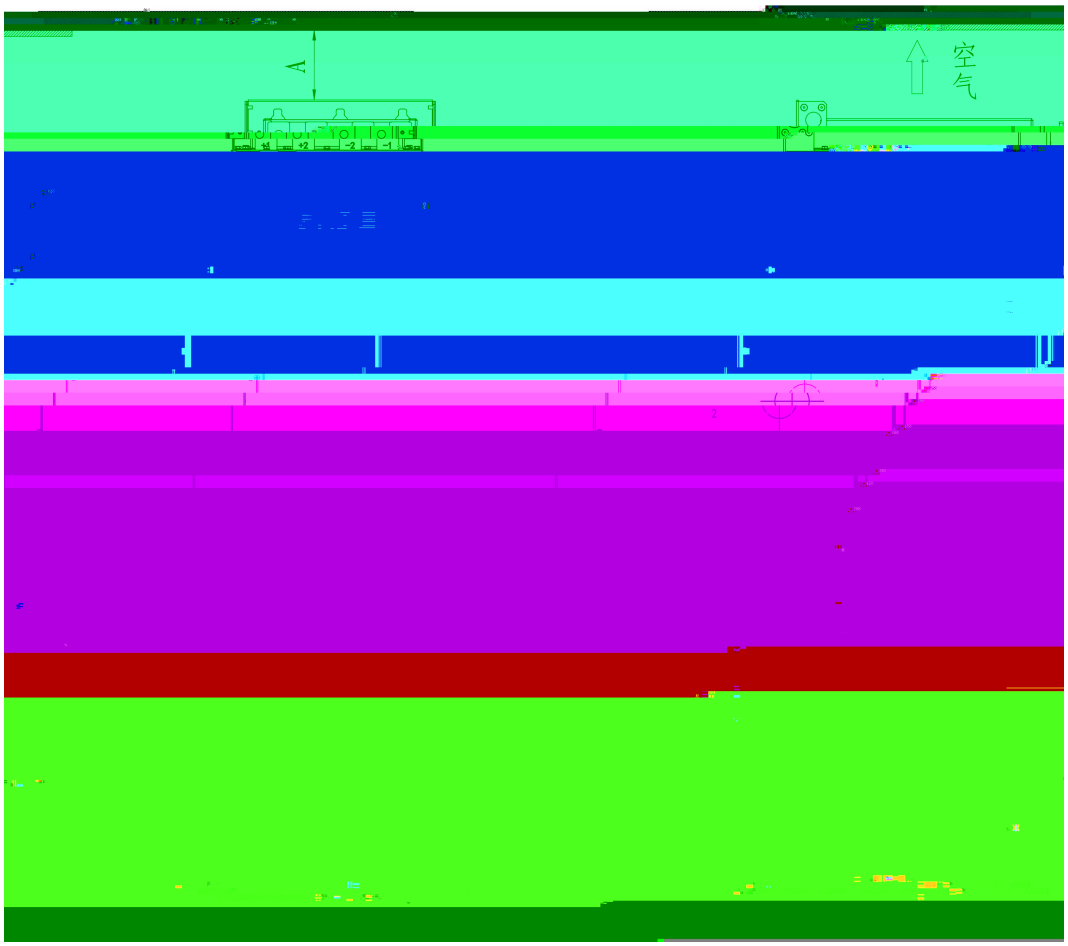
2.

30 õ (" ° ñ @ñ ÐŒi

	-10 +40 40 1 1% 50 -10	-20 +60 1 /	-20 +60
	70 106 kPa 0.7 1.05	70 106 kPa 0.7 1.05	60 106 kPa 0.6 1.05
	10Hz ≤ f ≤ 57Hz 0.075mm 57Hz ≤ f ≤ 150Hz 9.8 m/s^2	10Hz ≤ f ≤ 57Hz 0.075mm 57Hz ≤ f ≤ 150Hz 9.8 m/s^2	I I
		100m/s^2 11ms	100m/s^2 11ms
		250mm <100kg 100mm ≥ 100kg	250mm <100kg 100mm ≥ 100kg
	95%RH		
	1000 1000 100 1% 3000		
	2		

3.2

3.2.1



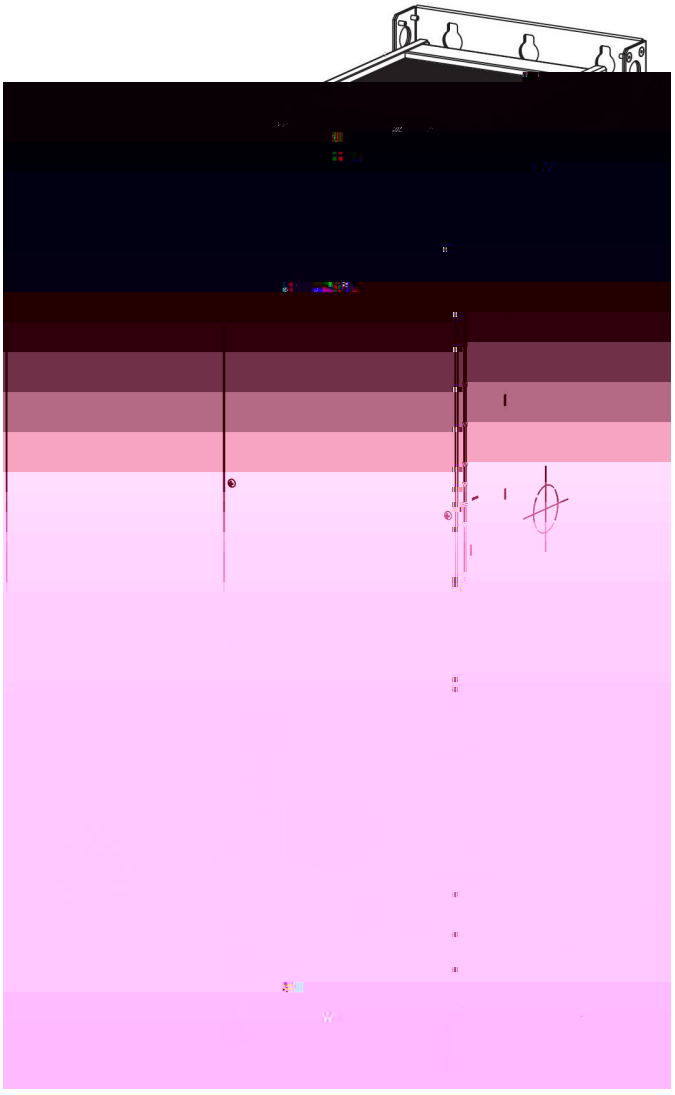
	A ≥ 250mm

50mm

3.2.2

M 1

H 2



HF680NLC04M-1935-6

3.2.3

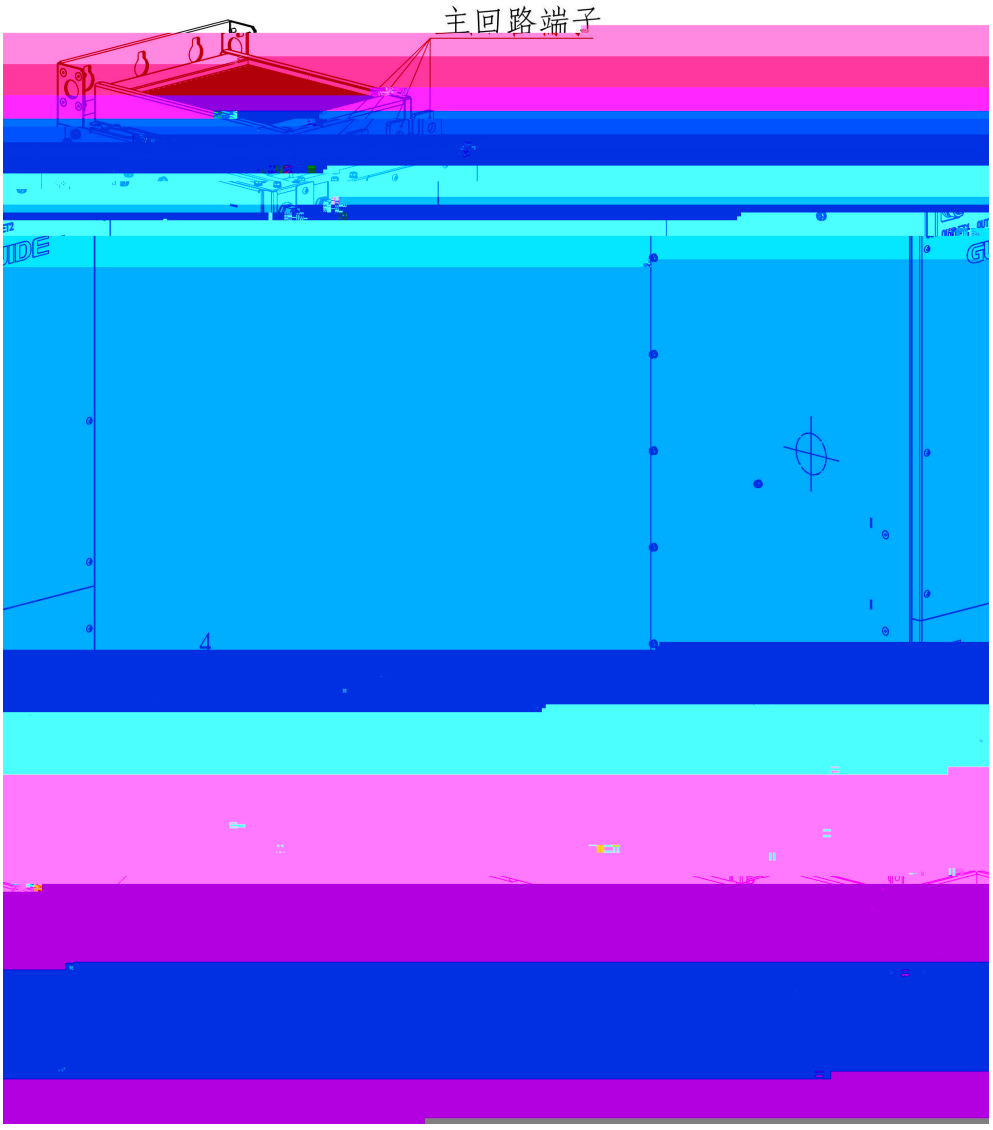
м 4 2

н 2 1

о

п 4 3 4

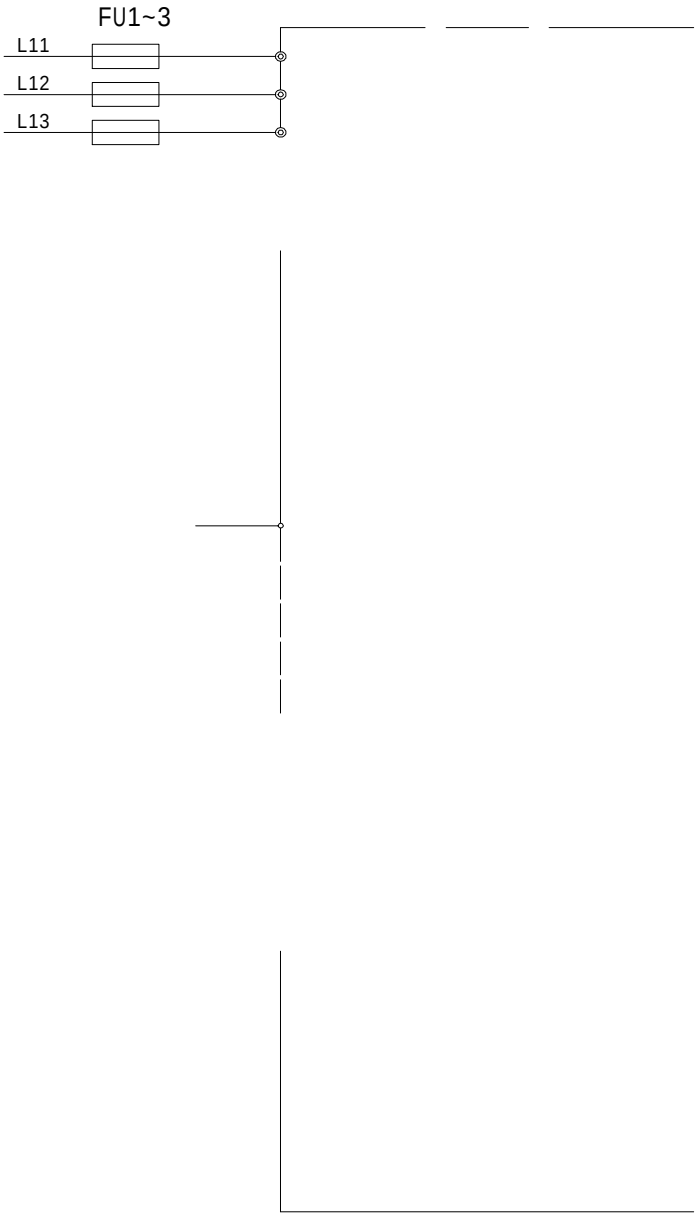
р



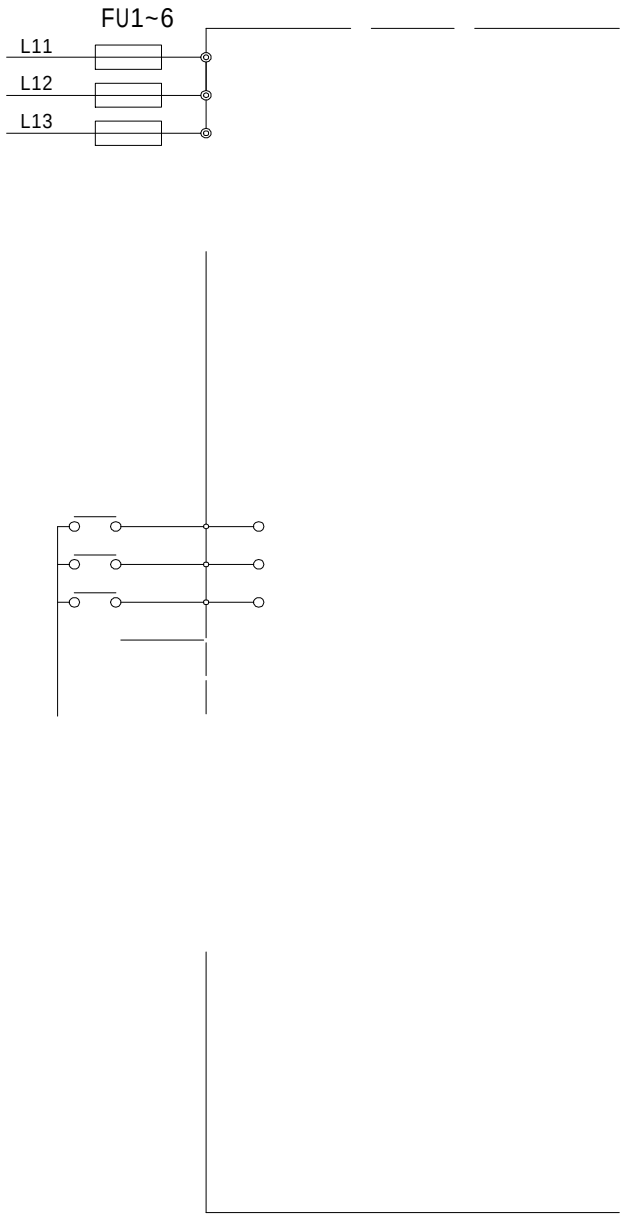
3.3

3.3.1

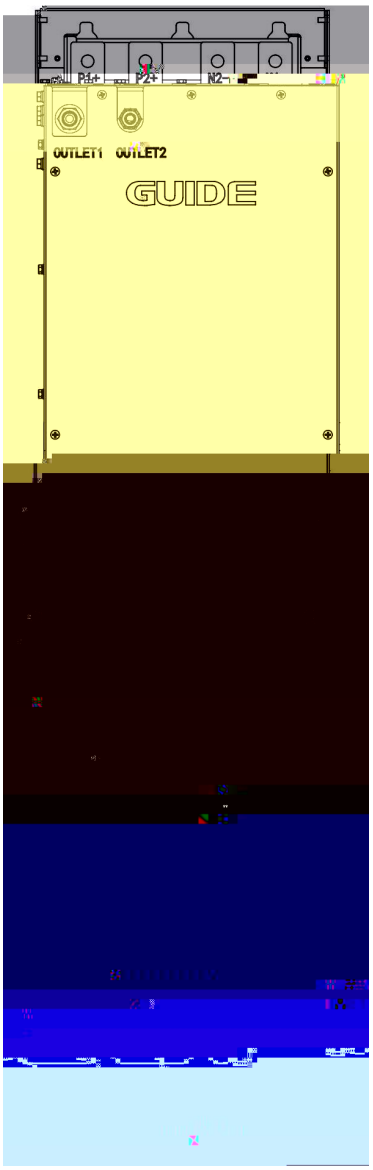
6



12



3.3.2



P1+ P2+	
N1- N2-	
R1 R2 S1 S2 T1 T2	
PE	

3.3.3

1		
2	10	
3		
4	10cm	
5	0.75mm² 50m	
6	10cm	
7		
8		

3.3.4

	+10V-GND	10V	+10V 50mA 1kΩ~5kΩ
	+24V-COM	24V	+24V 200mA
	PW		24V DI1~DI5 DO1 PW 24V
	AI1-GND	1	DC -10V~10V 100kΩ
	AI2-GND	2	-10VDC~10VDC/0mA~20mA J1

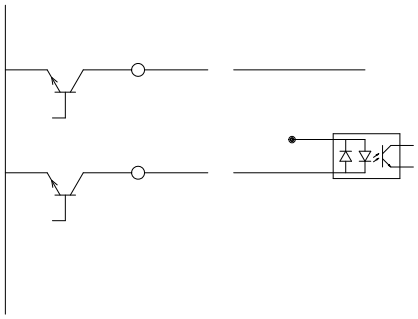
100kΩ

500Ω

DI1- PW	1		
DI2- PW	2		3.3kΩ
DI3- PW	3		9V~30V DI1-DI4
DI4- PW	4	500Hz	DI5 20KHz
DI5- PW	5		

J2

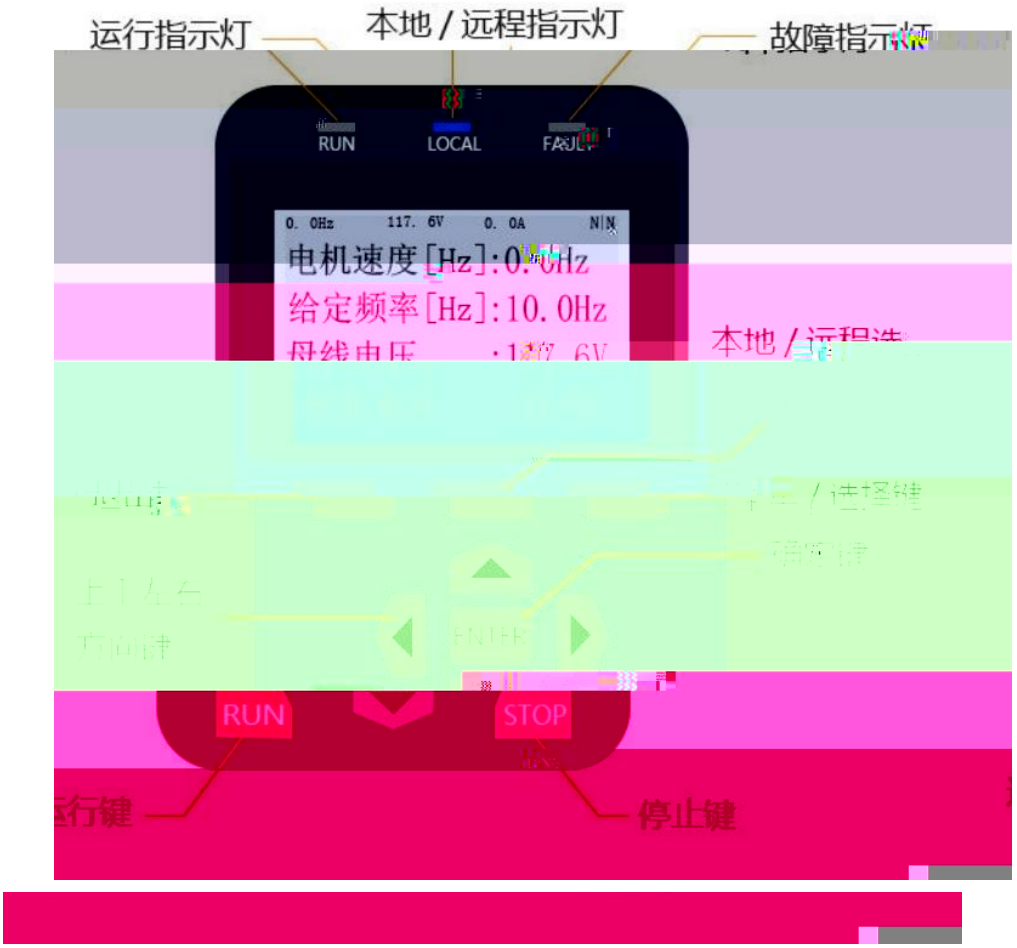
AO1-GND	1	0V~10V 0mA~20mA
DO1-PW	1	0V~24V 0mA~50mA
DO4A-DO4C	1	
DO4B-DO4C C 4		250VAC 3A 30VDC 1A



4

HF680NLC04M F1

LOCAL/REMOTE F2 RUN STOP /RESET ENTER



4.1

▼

▲

ENTER /RESET

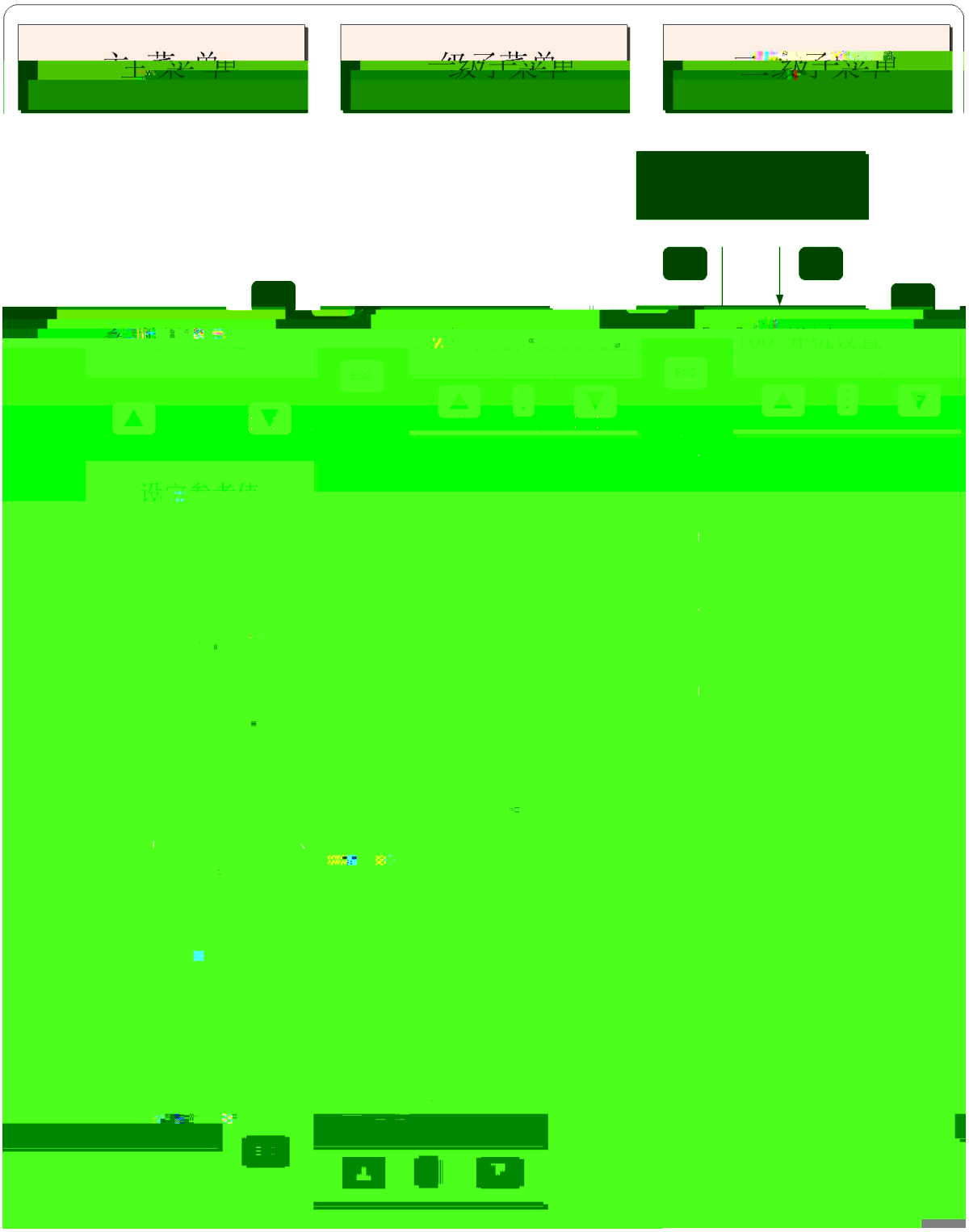
RUN

STOP LOCAL/REMOTE

/

4.2

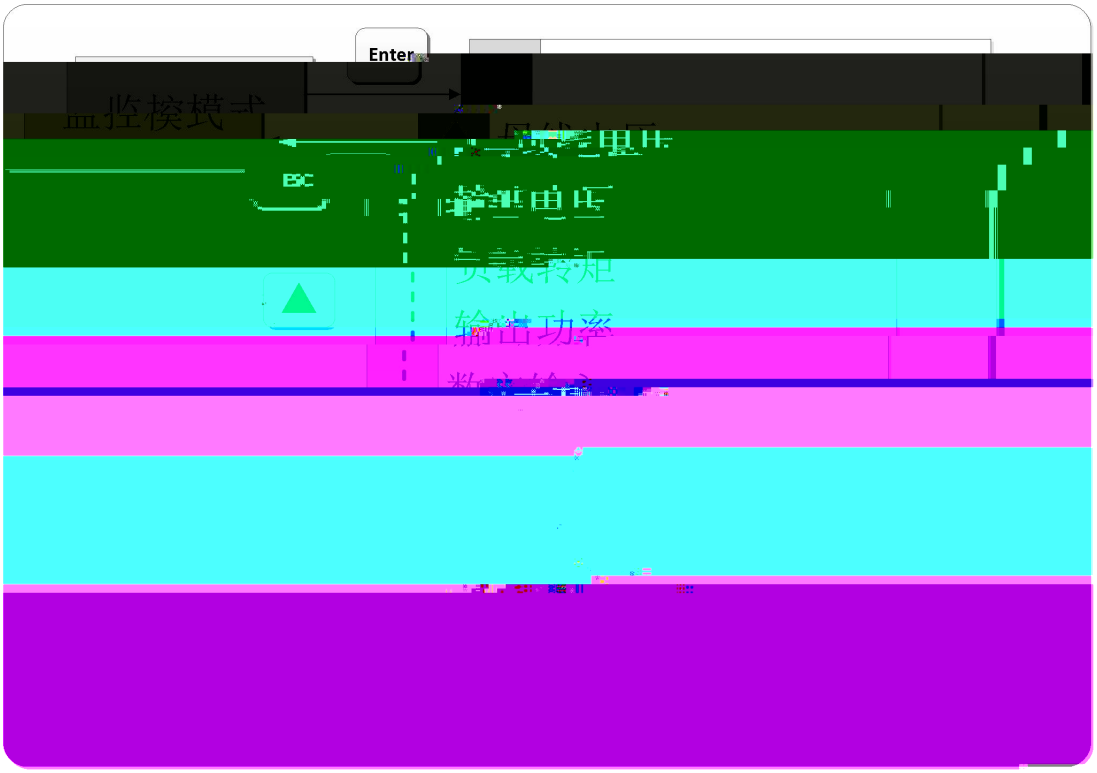
Drive Monitor	Speed Power	I/O
Parameter Edit	P0 ~ P49	
Function Set	System reset Backup Restore Para	
Error Event Log	Error Log	
Security	Security Edit	Access Level
Display Edit	Display Edit	



4.3

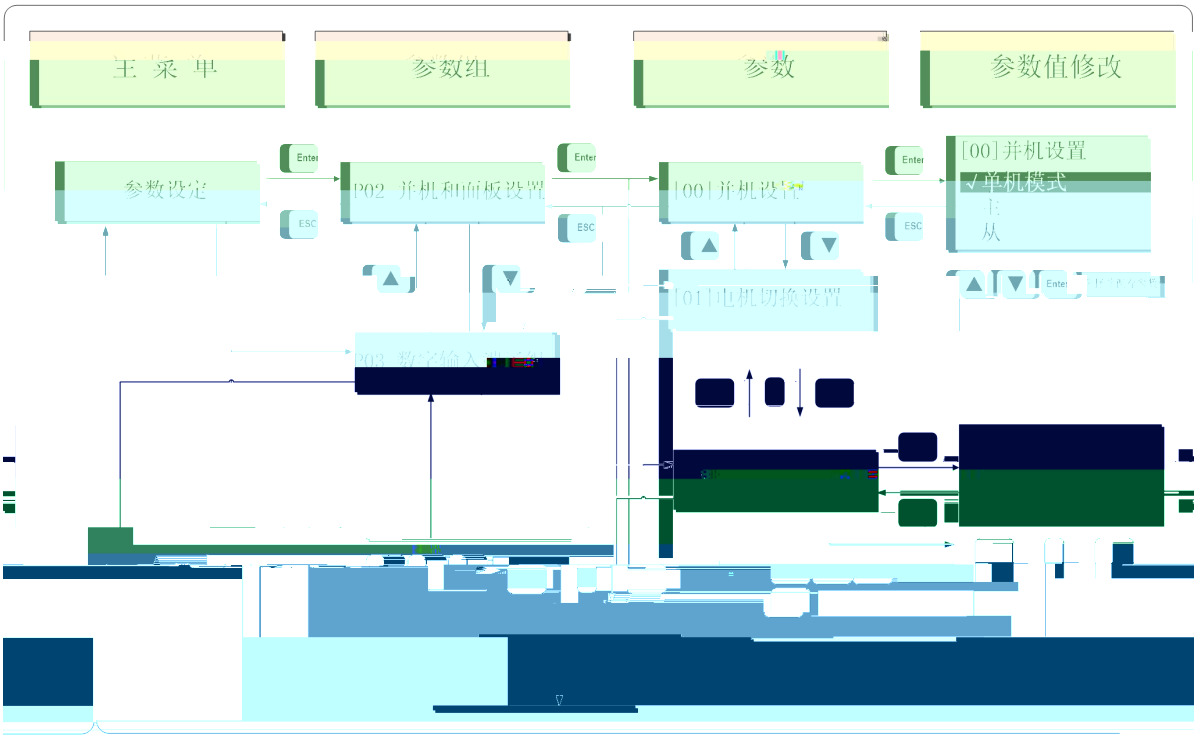
1 Drive Monitor

(I/O)



		V		
		V		
		kW		
	H:L			
	H:L			
	1	%		1
	2	%		2
1		V		1
1		A		1
2		V		2
2		A		2
		V		
A		A	A	
B		A	B	
C		A	C	
		A		

2 Parameter Edit



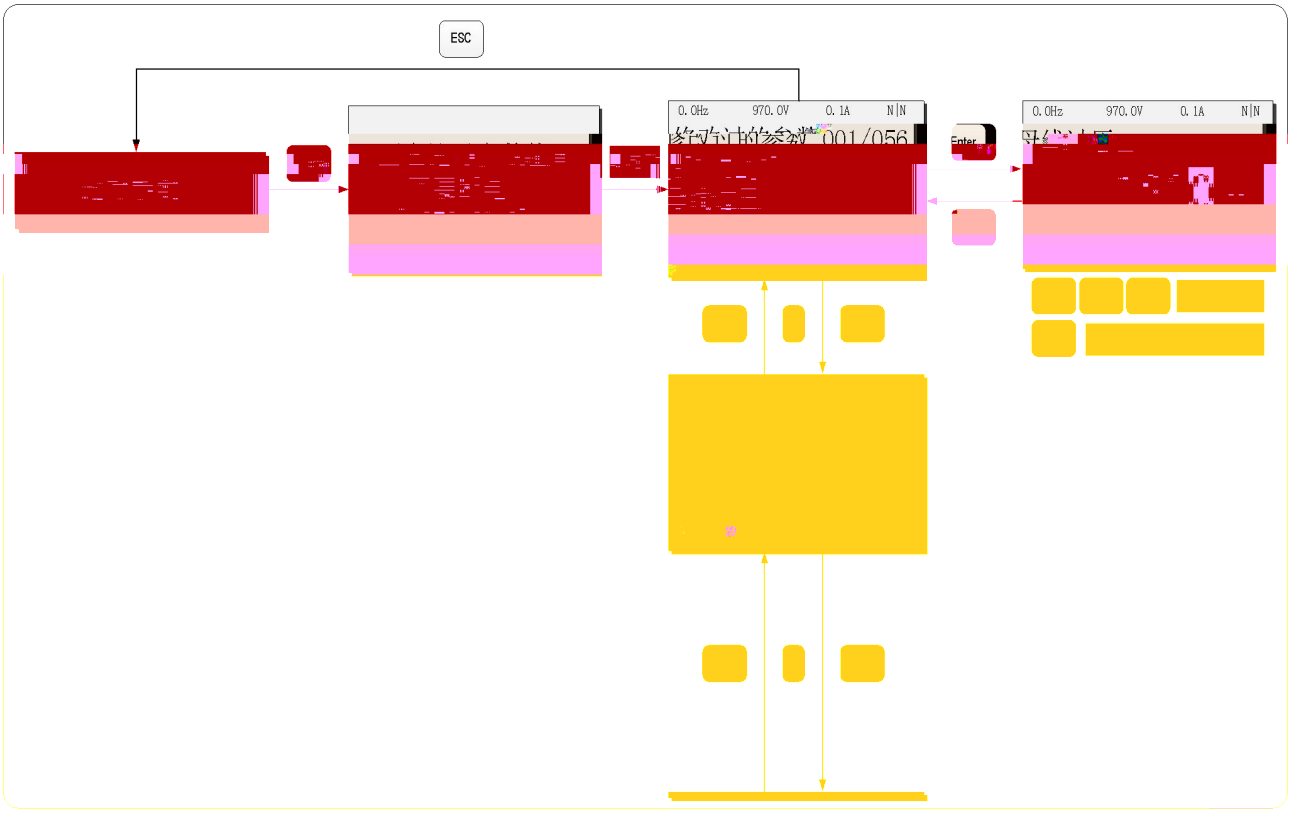
3 Function Set

Function Set

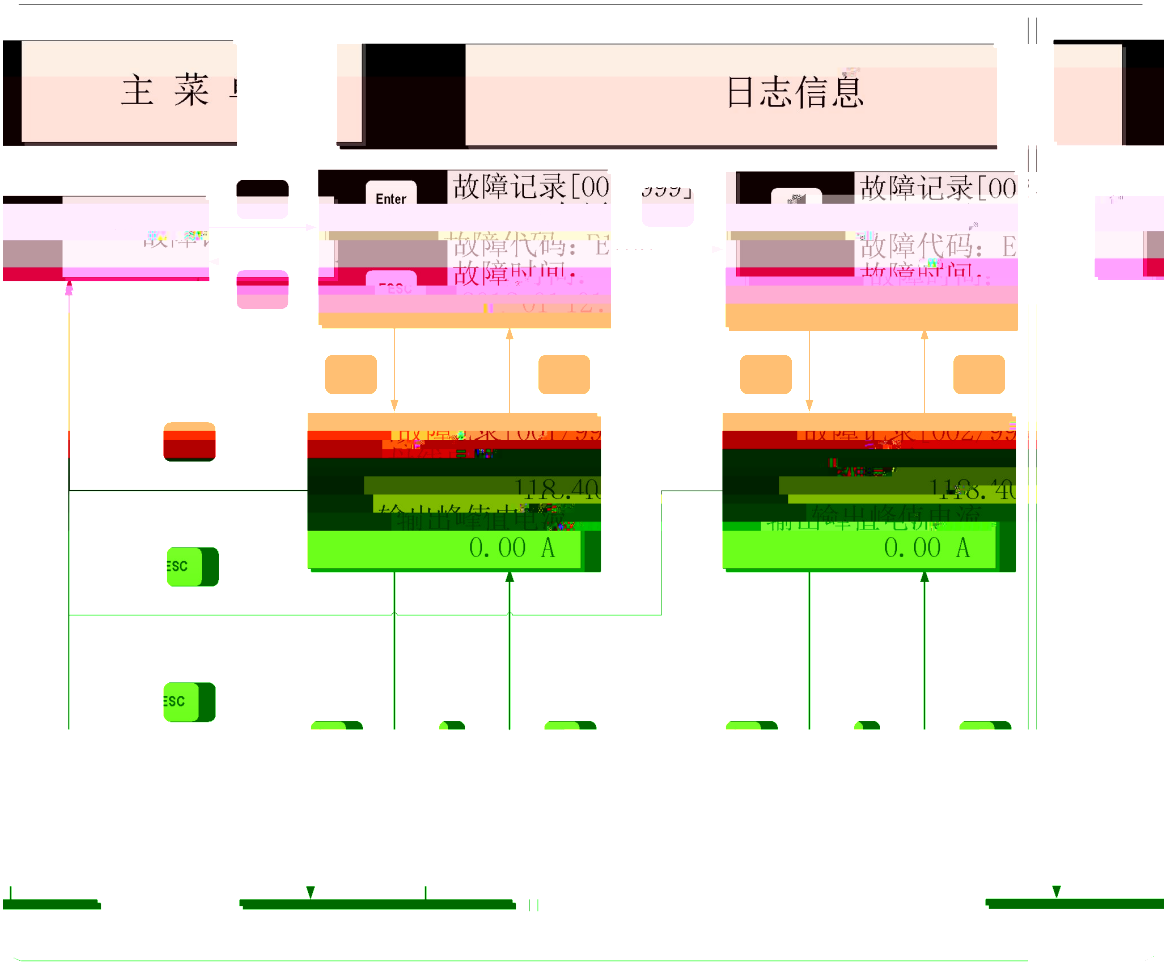
Function Set		


0.0Hz
970.0V
0.1A
N|N
Enter
输入密码

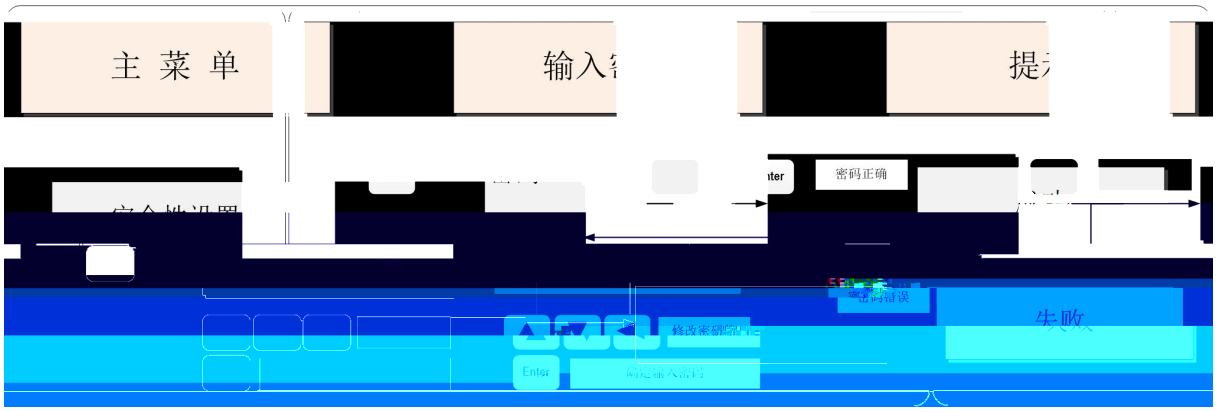
▼ ▲ “Enter”



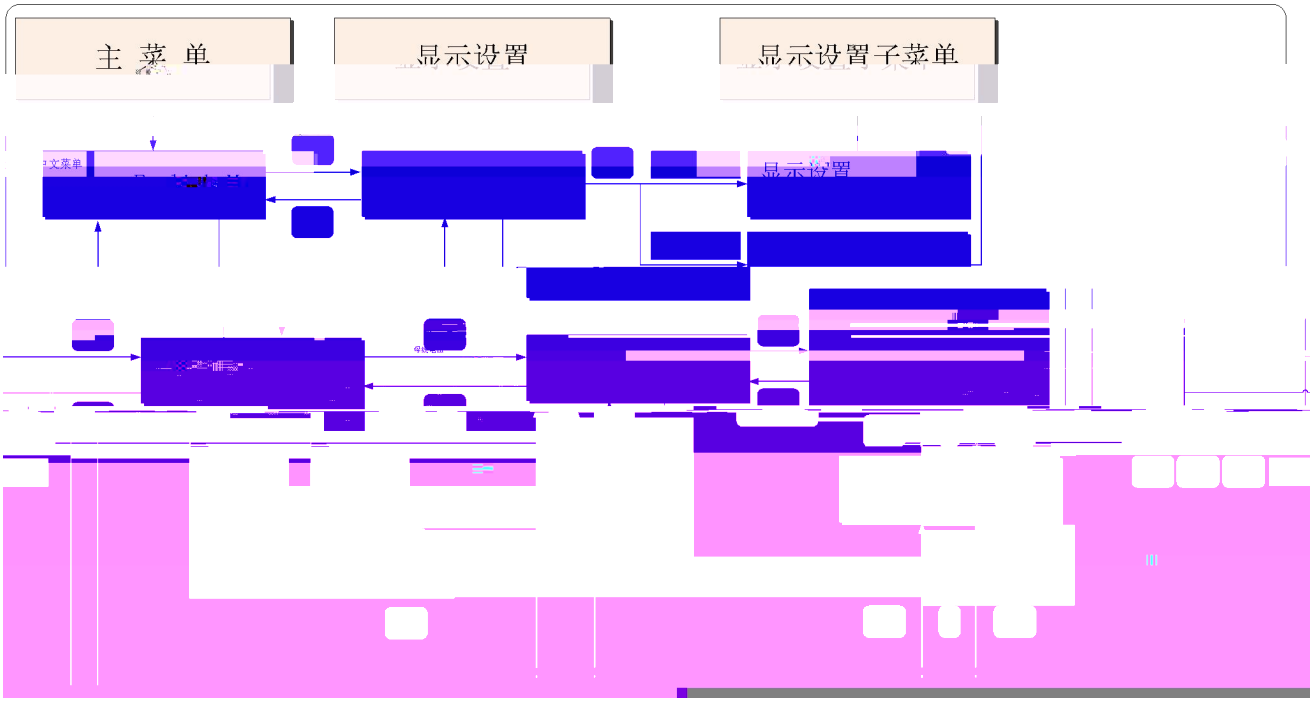
4 Error Event Log

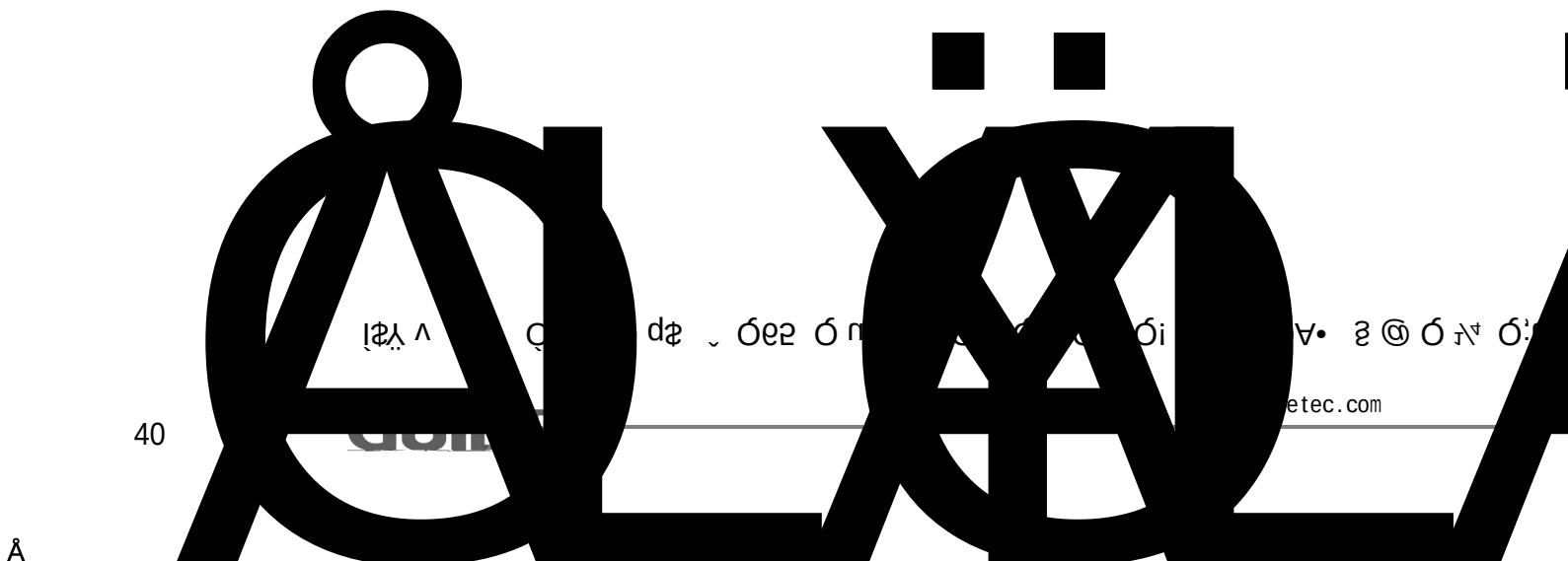


5 Security



6 Display Setting





5

5.1

DI1 DI2

DO5

1

690V 24V

P0.1 “ ” “ ”

690V

P3.0	1	
P3.1	5	
P4.3 DO4	1	
P4.4 DO5	2	
P16.11	5	
P16.12	10	
P16.0		
P24.4	0	

24V

690V “

AFE ” “ AFE ” 49.5~50.5Hz

DI1 *1.41

*1.41

P24.4

1

6

6.1

6.1.1

P3.0	1		0 32	1	
P3.1	2		0 32	2	
P3.2	3		0 32	5	
P3.3	4		0 32	6	
P3.4	5		0 32	7	
P3.5	6		0 32	8	
P3.6	7		0 32	0	
P3.7	8		0 32	0	

0		
1		
5		</RST
14		
15	.NC	

6.1.2

P4.0	1	0	64	0
P4.1	2	0	64	0
P4.2	3	0	64	0
P4.3	4	0	64	0
P4.4	5			

P7.50	2	2	0.0 300.0 [%]	200.0 [%]	
P7.51	2	2	0.00 5.00 [s]	5.00 [s]	
P7.95			0.0 20.0 [s]	15.00 [s]	

6.1.4

P8.0		[0] [1] [2]DP [3]MODBUS [4]	0 4	0	

6.1.5

P16.0			580 800 [V]	690 [V]	
P16.2			0.0 4000.0 [kW]	[kW]	
P16.4			0.0 6500.0 [A]	[A]	
P16.11		5	0 5	0	[5]
P16.12		10K	1~15	10	10K

7

W01	SYS_NOT_RDY	(Ready)	
W02	NO_DRV_ENABLE	[ ]	P3
W03	LOCAL_EM	[ ]	P3
W04	REMOTE_EM	[ ]	P3
W06	O.T	P7.14( )	
W09	DP P/B ALARM	DP	DP

7.1

[E100]	OV	P7.12( )
[E110]	OC	
		P7.95
[E139]	Pre_Charging Fail	P16.0
[E140]	Line UV	P16.0
[E141]	Line OPEN	
[E145]	Line OV	P16.0
[E146]		

8


1 2 3 4

1 CMOS 2 3

8.1

8.2

1.
2.

1.
2.

1. > 40
   < 95%
2.

1.
2.

8.4

5

1 40

2 80%

3 24 /

8.5

1

2

5

HF680NLC

690V

1.00

1

2

3

Wuhan Guide Technology Co.,Ltd.

6

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400-0077-570

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