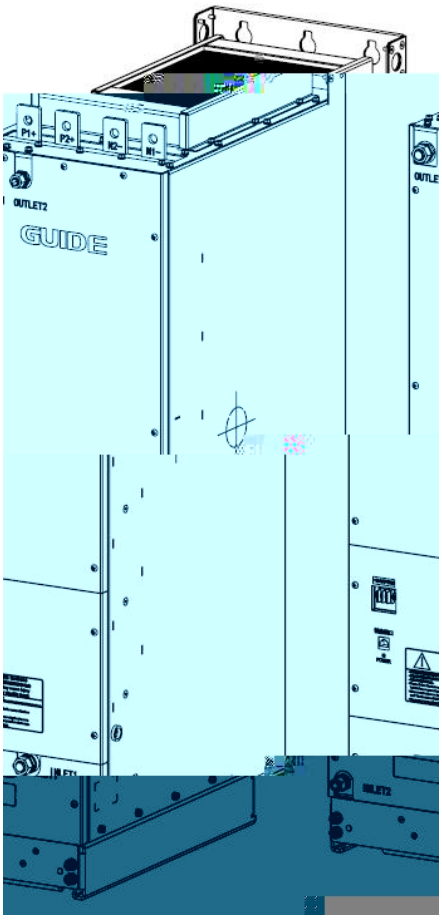
HF680NLC

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

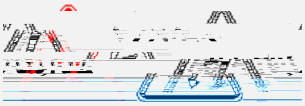
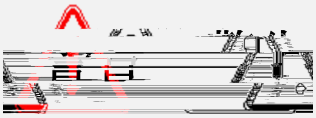
8.2 49
8.3 49
8.4 50
8.5 50

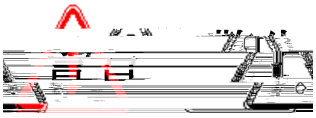
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3 “ ” “ ” “ ”

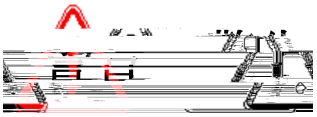
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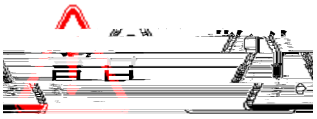

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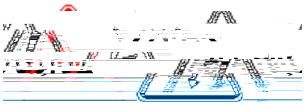
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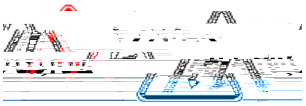
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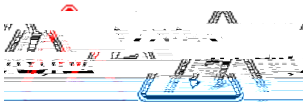


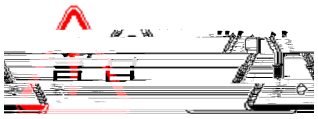


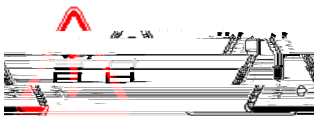
IEC

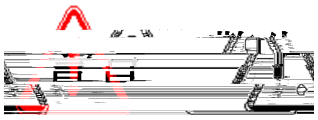












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1

RCD

RCM RCD

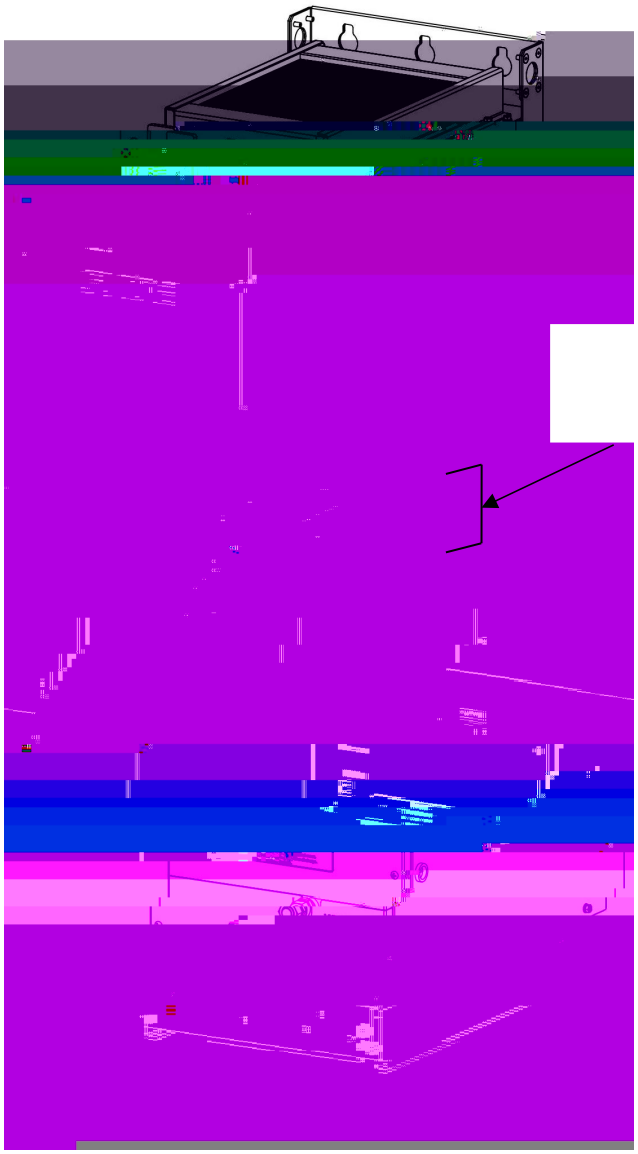
RCM

B RCD RCD

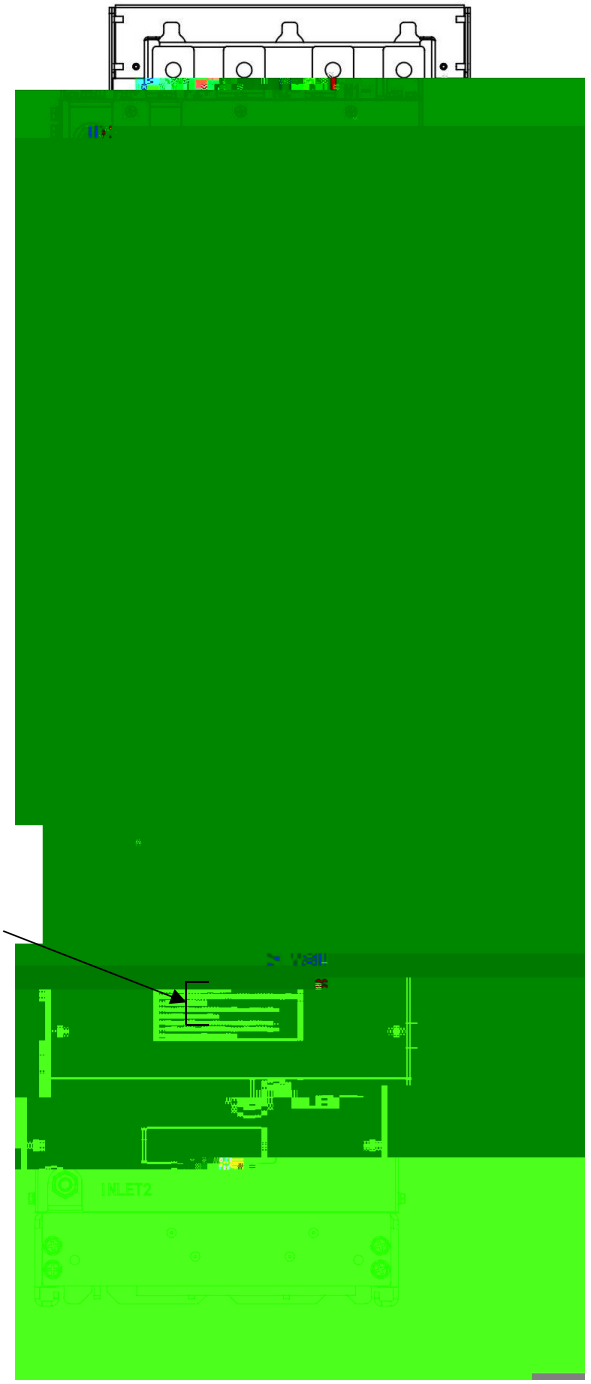
RCD RCD

2

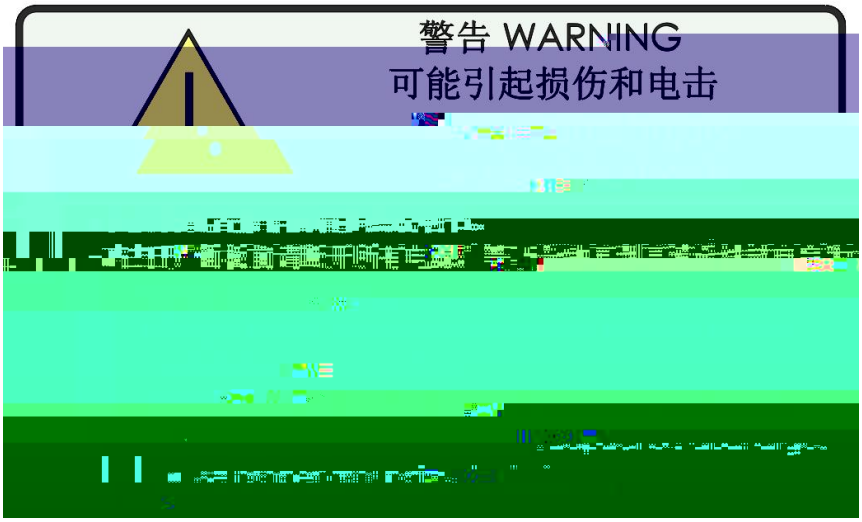
3



HF680NLC04M-1935-6



HF680NLC04M-1935-6



1.2

(1) (SCR: Silicon Controlled Rectifler)

(2)

(3)

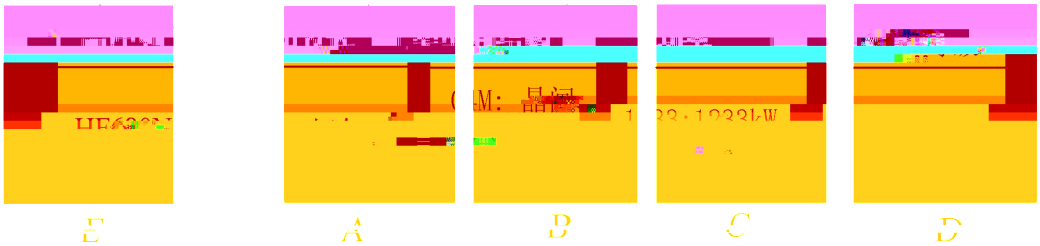
(4)

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

1.3

1

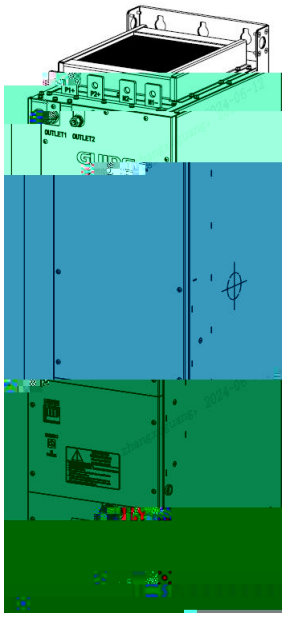
1.1

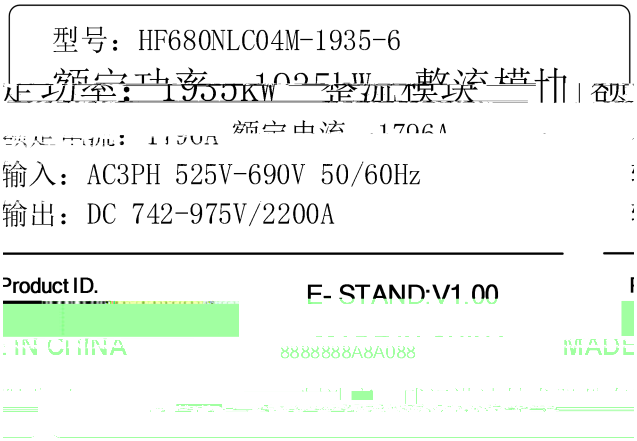


E A B C D

A HF680N

B - 5 m "





	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

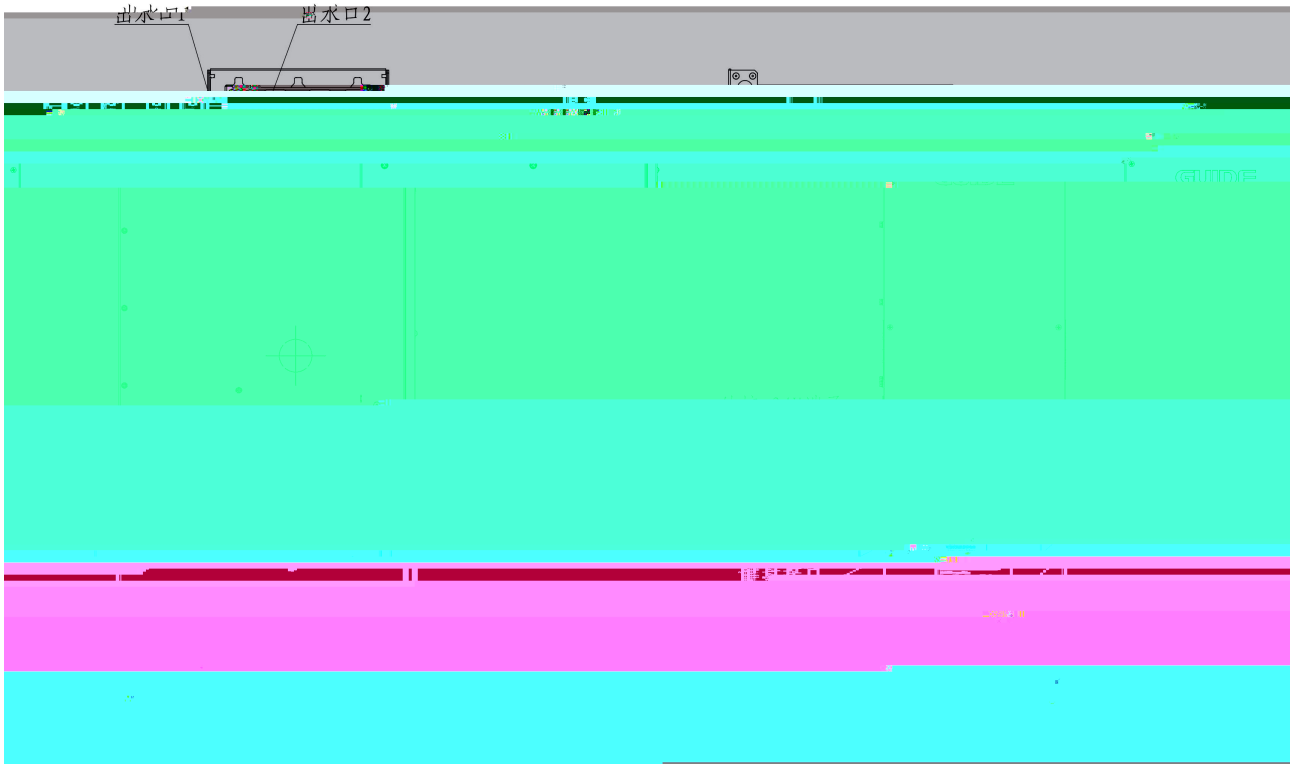
MB01 GDHF-AMBX1 MS485

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

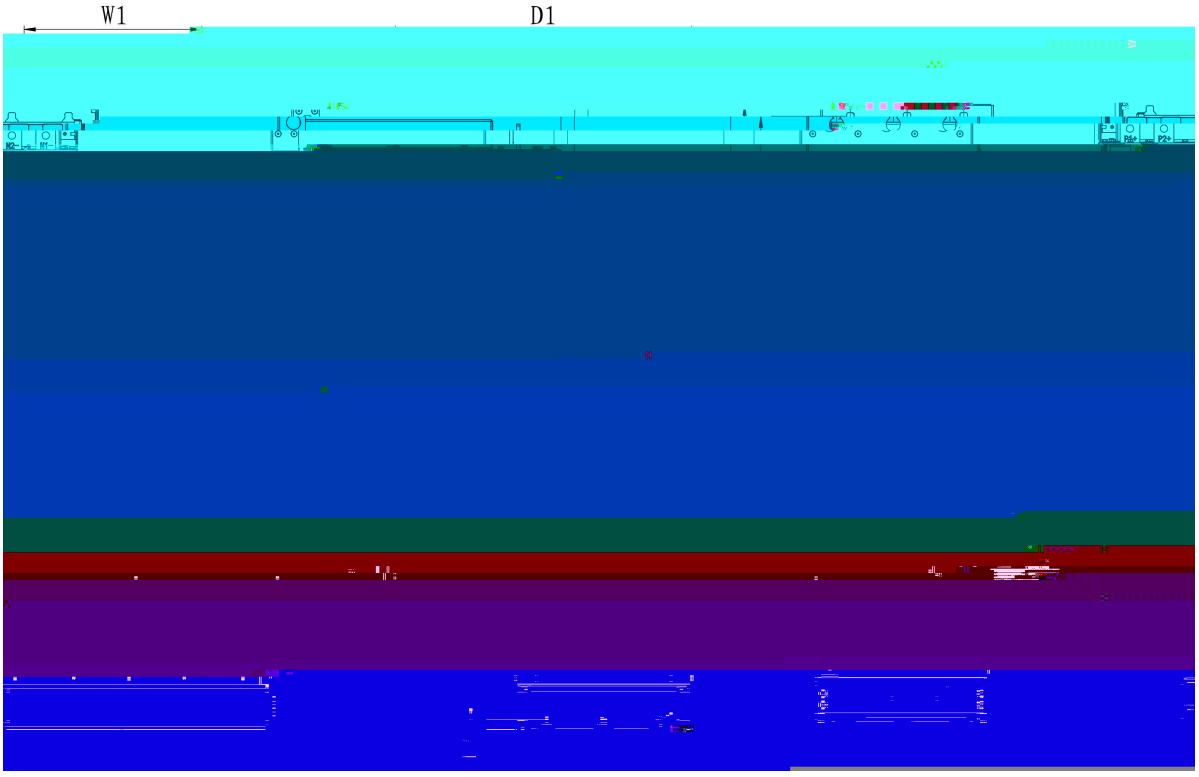


	+24V	Ø3.2	
1 1		KFG2H1613-03	SMC

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. / “ ”

/

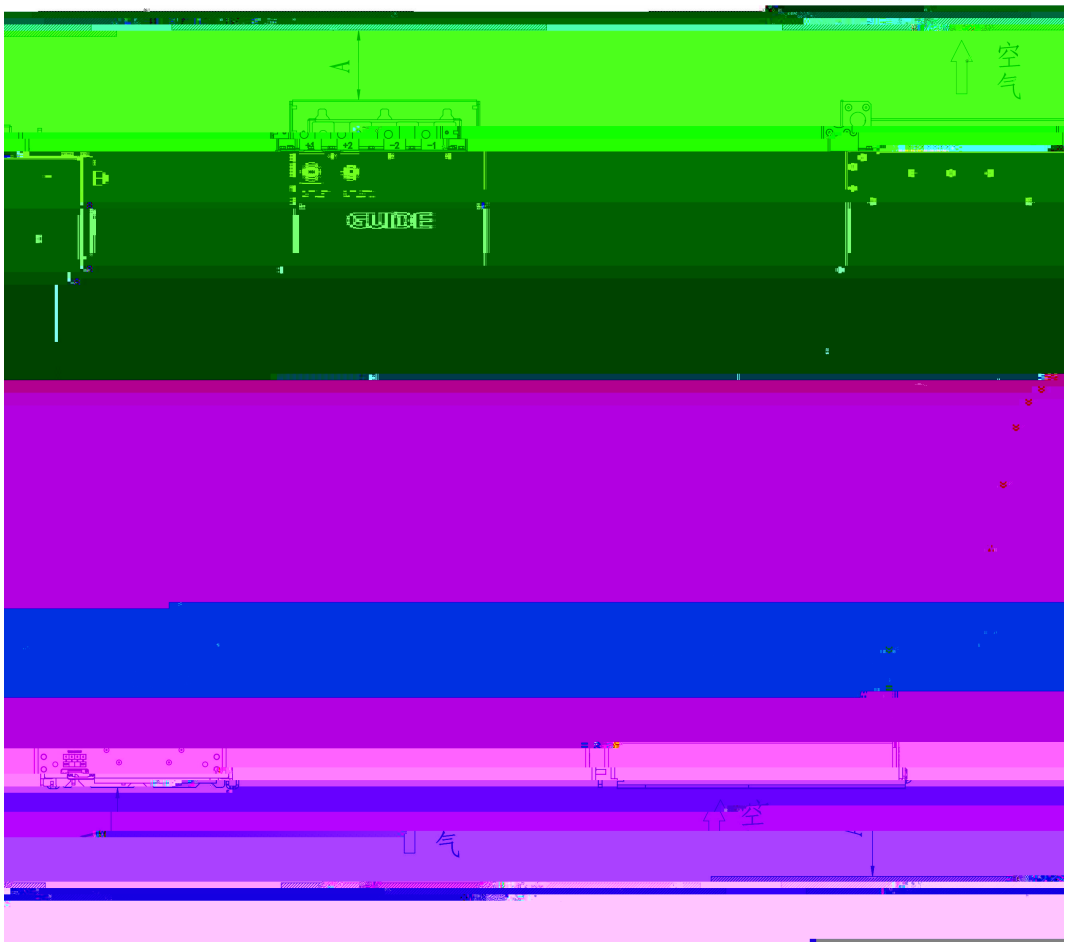
2.

30 õ (" ° ñ @ñ Ð Ö i

	-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/s²	10Hz ≤ f ≤ 57Hz 0.075mm 57Hz ≤ f ≤ 150Hz 9.8 m/s²	I I
		100m/s² 11ms	100m/s² 11ms
		250mm <100kg 100mm ≥ 100kg	250mm <100kg 100mm ≥ 100kg
	95%RH		
	1000 1000 100 1% 3000		
	2		

3.2

3.2.1



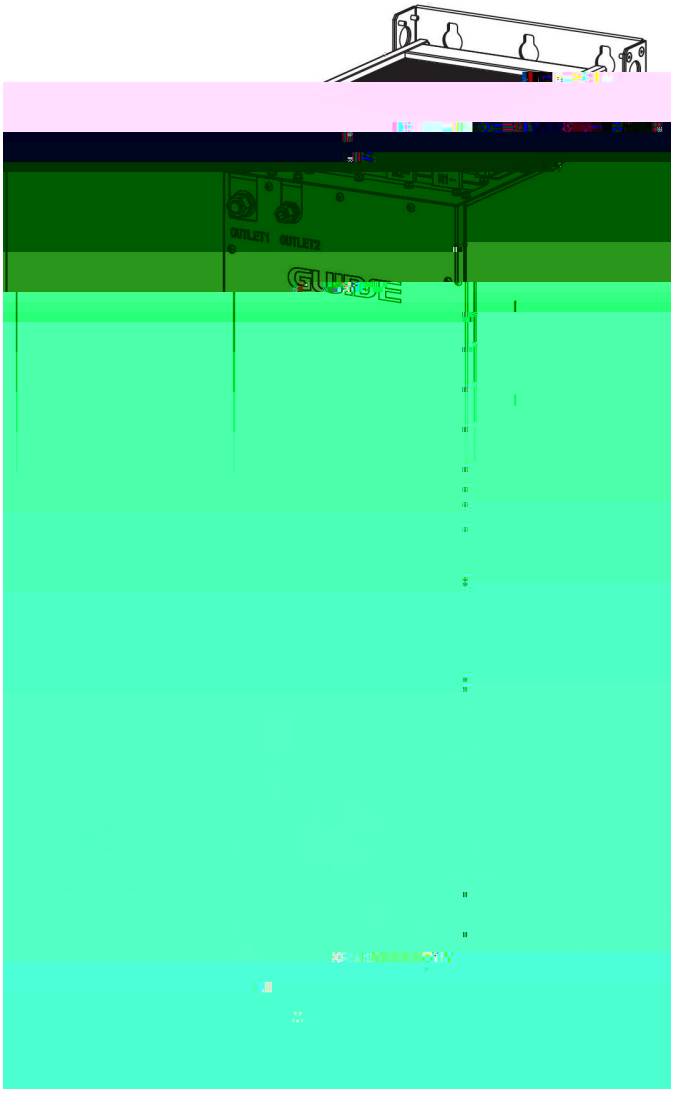
	A ≥ 250mm

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

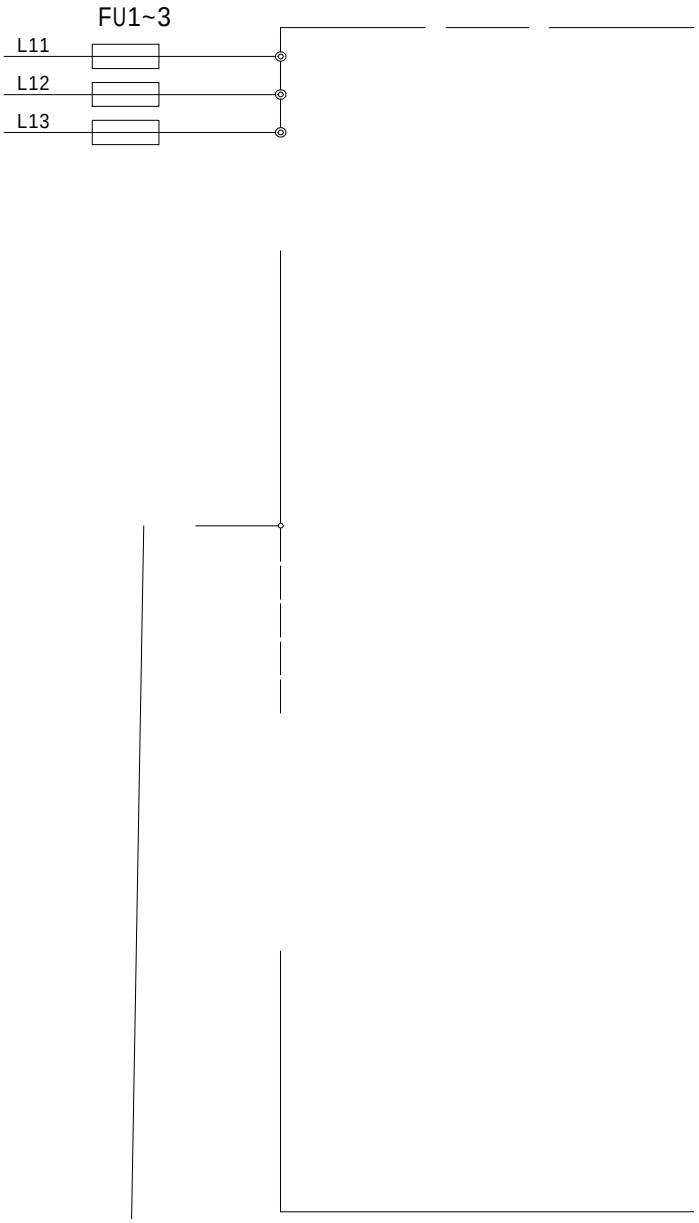
р



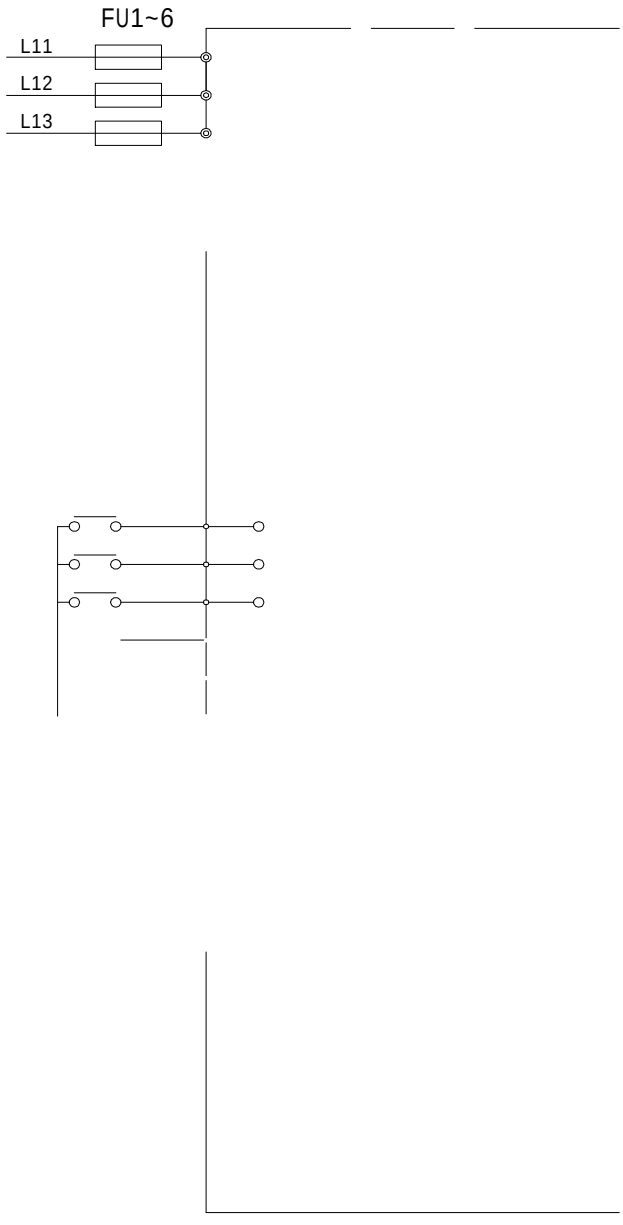
3.3

3.3.1

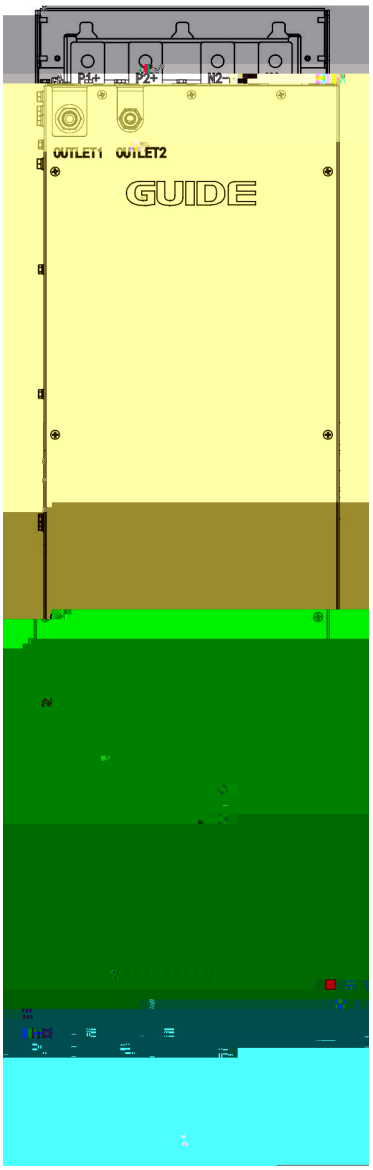
6



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

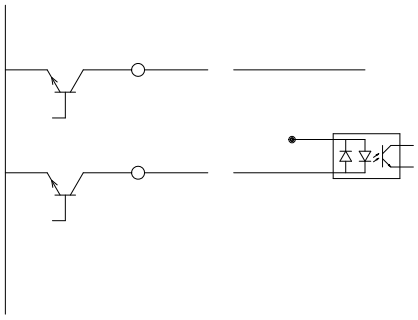
100kΩ

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

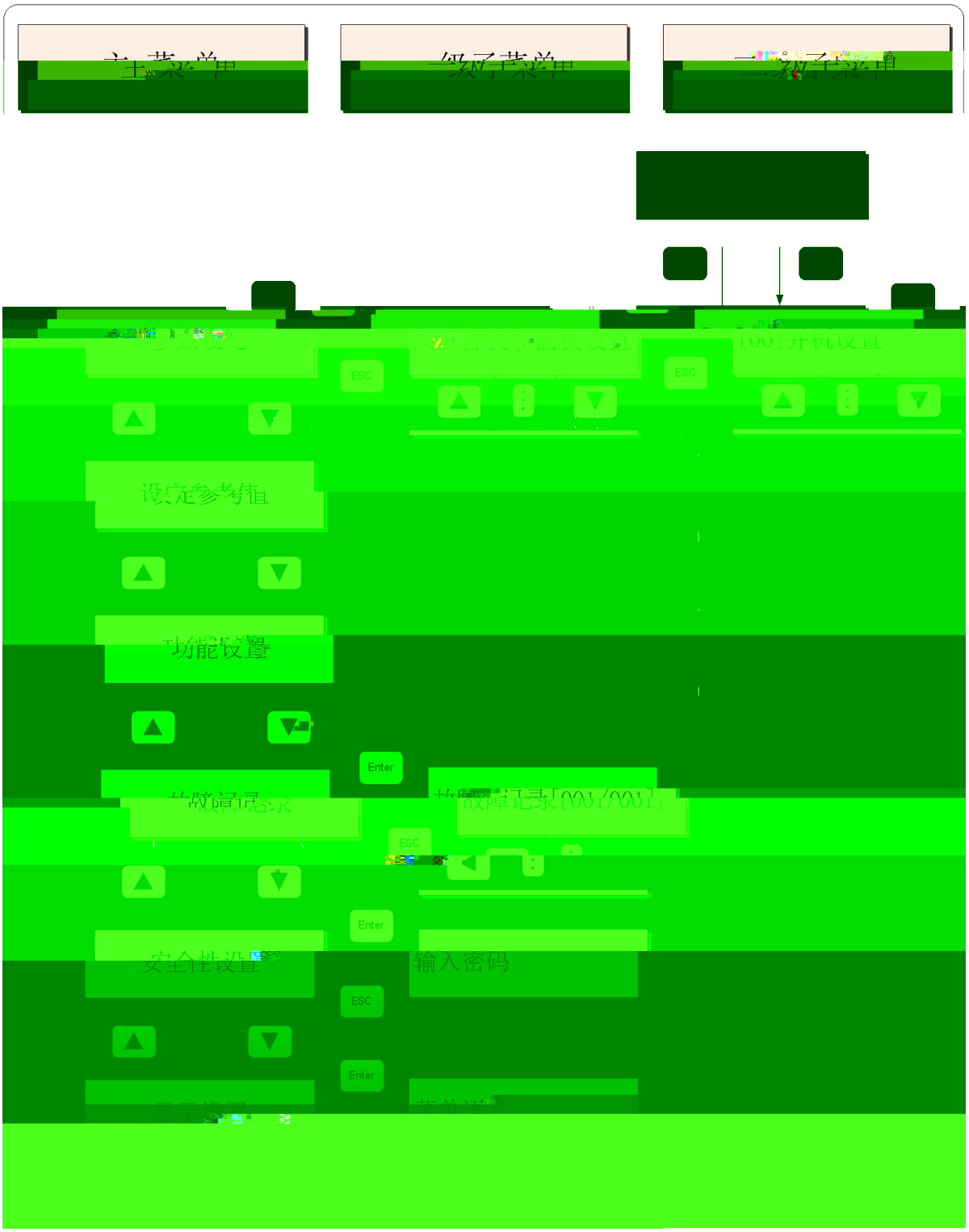
RUN

STOP LOCAL/REMOTE

/

4.2

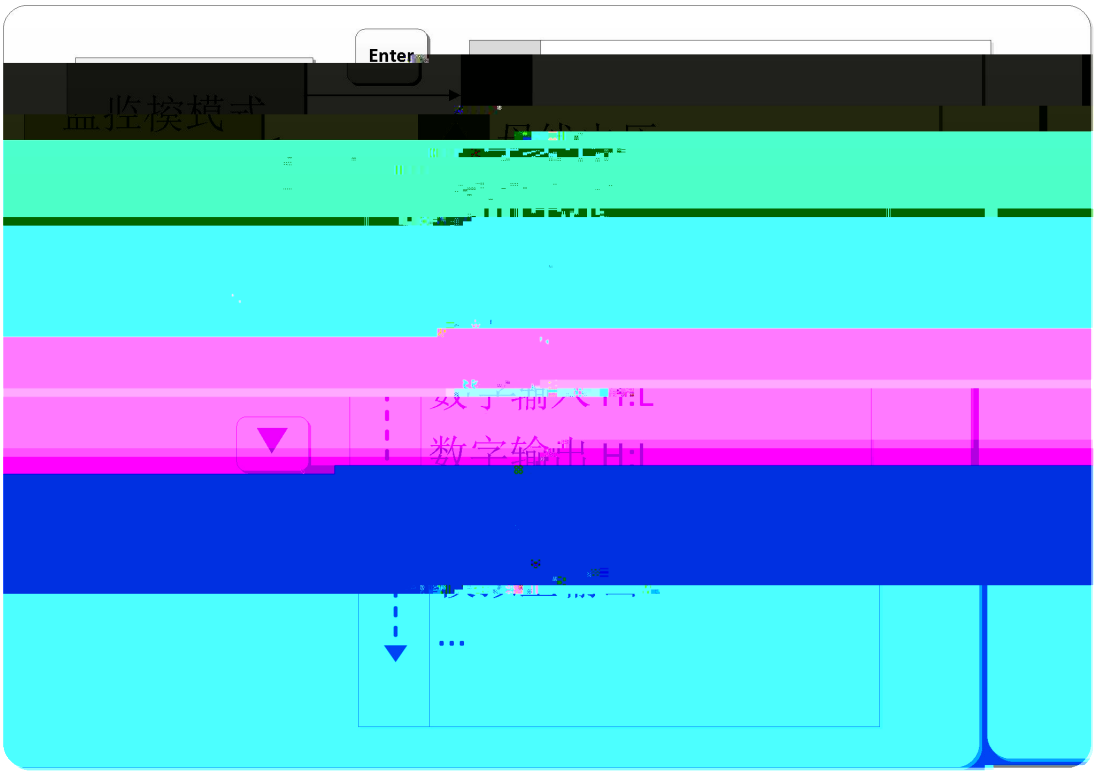
Drive Monitor	Speed Power	I/O
Parameter Edit	P0 ~ P49	
Function Set	System reset Backup Restore Para	
Error Event Log	Error Log	
Security	Security Edit	Access Level
Display Edit	Display Edit	


ESC
设定参考值
功能设置
Enter
故障记录
ESC
Enter
安全性设置
输入密码
ESC
Enter

4.3

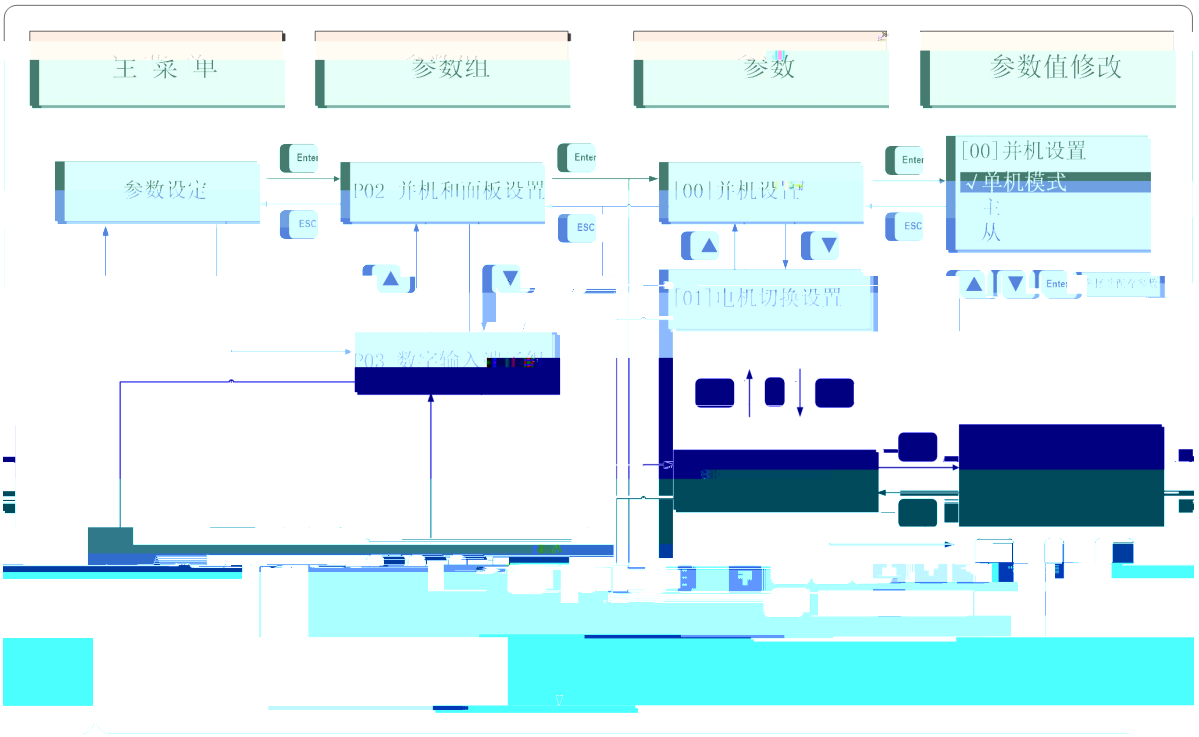
1 Drive Monitor

(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



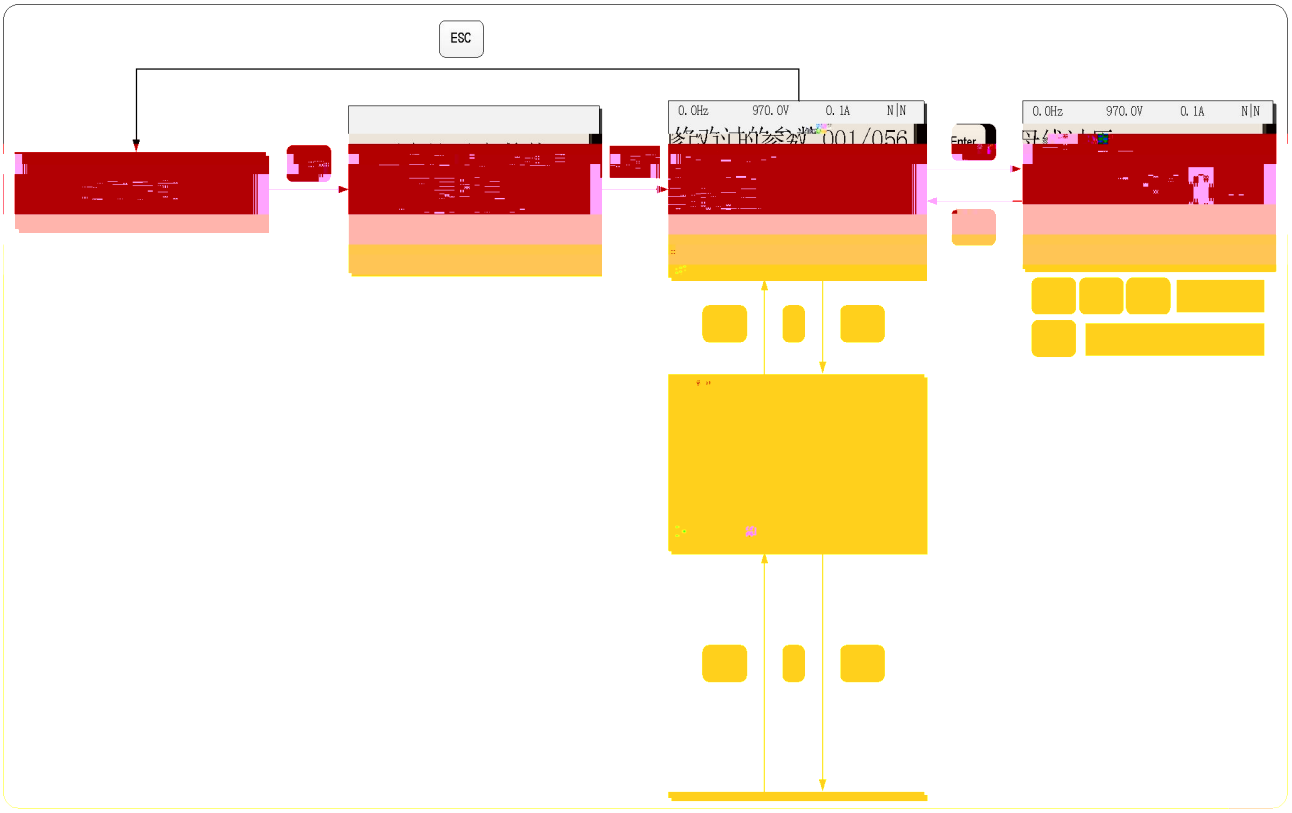
3 Function Set

Function Set

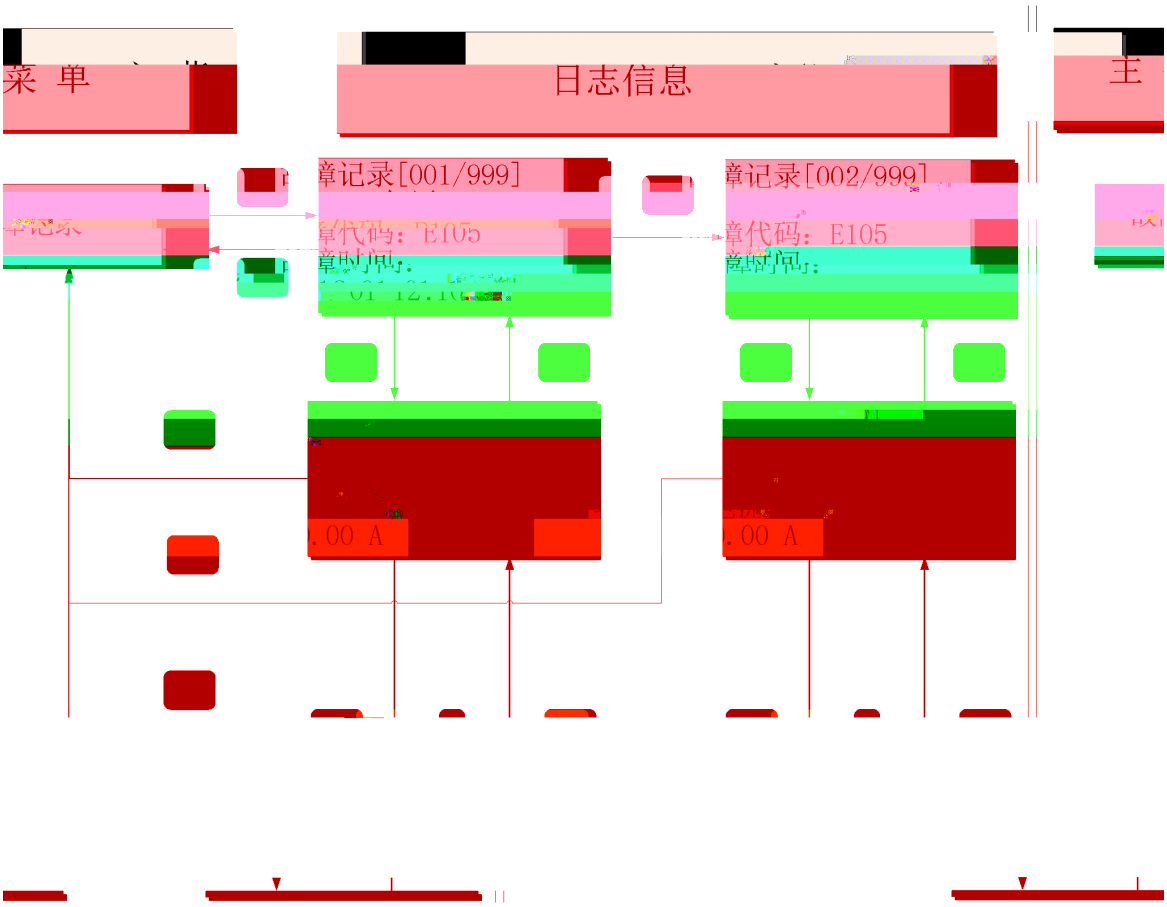
Function Set		


Enter
输入密码

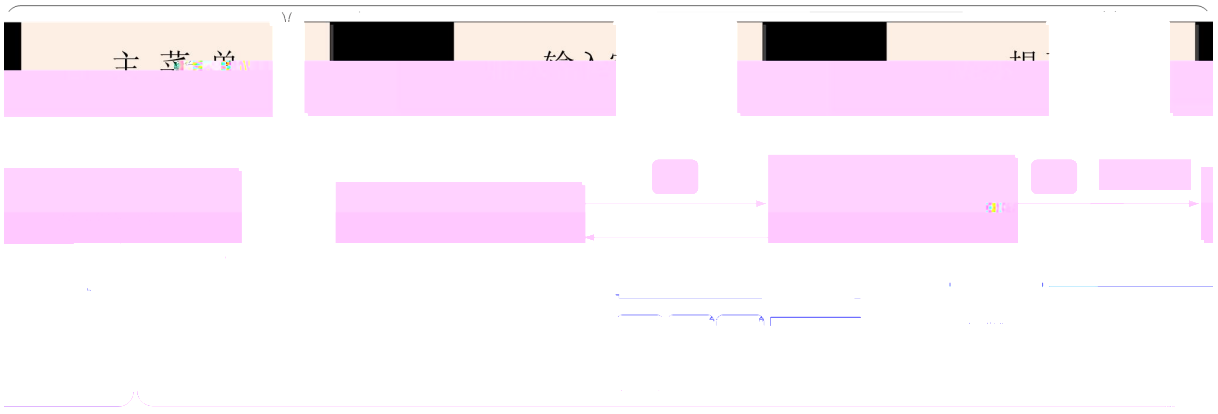
▼ ▲ “Enter”



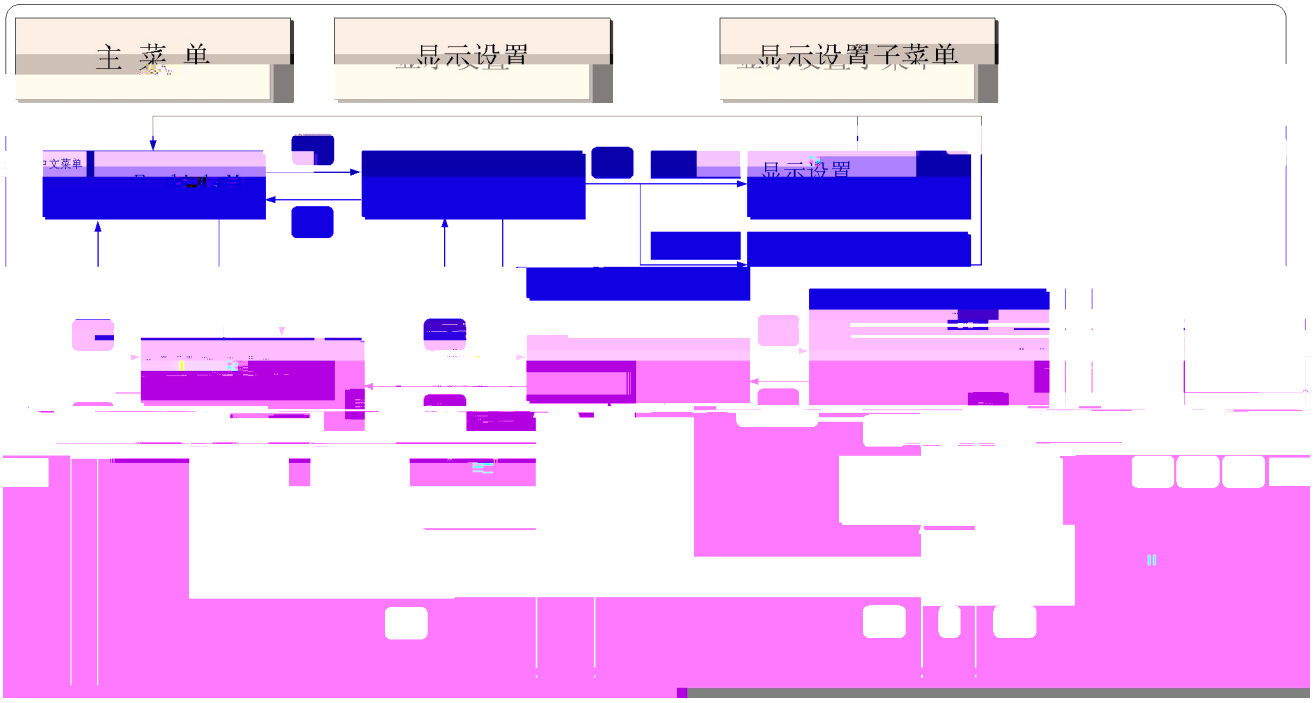
4 Error Event Log

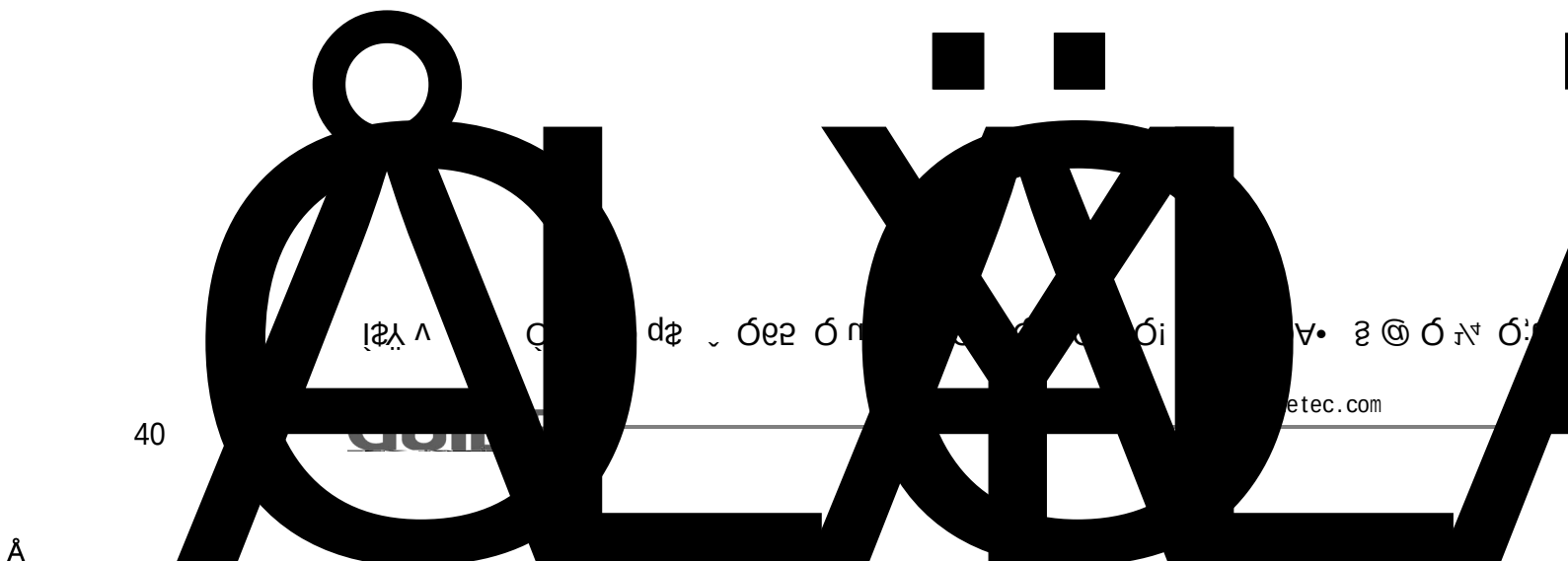


5 Security



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]		

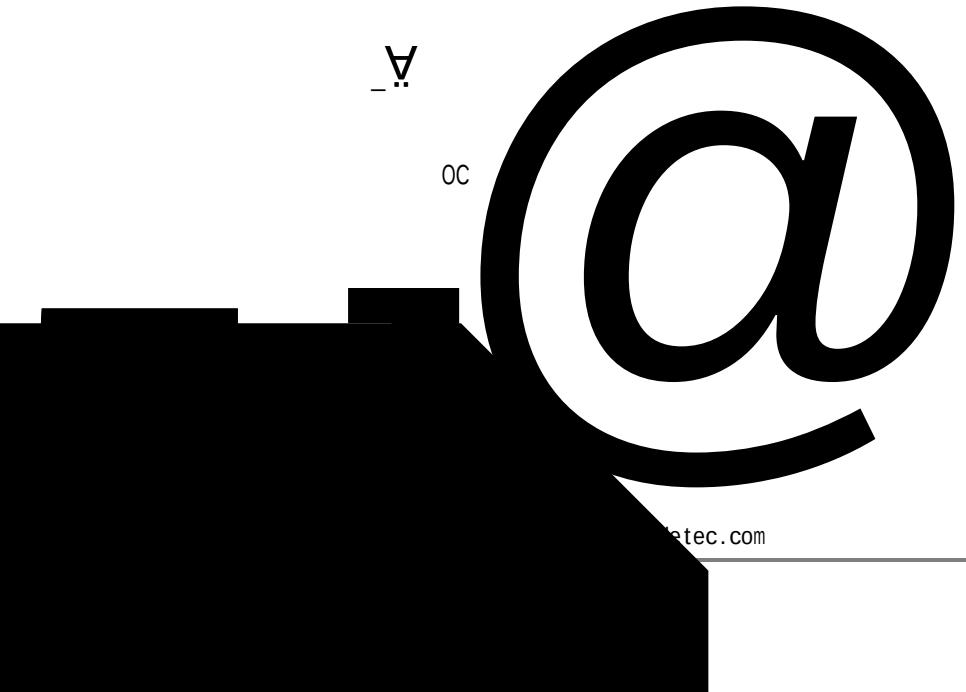
>(

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OC

J

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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

430223

86-027-87927230

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400-0077-570

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