

HF680N13M

690V

1.00

Wuhan Guide Technology Co.,Ltd.



HF680N

		1
1.1		
1.2		
1.3		
		3
2.1		
2.2		
2.2.1		
2.2.2		
2.2.3		
2.2.4		
2.3	EMC	
2.4		
2.5		
2.6		
2.7		
		13
3.1		
3.2		
3.3		
3.4		
3.5		
		19
4.1		
4.2		
4.3		
4.4		
		26
5.1		
5.2		
5.2.1		

6.3	P4	
6.4	P5	
6.5	P6	
6.6	P7	
6.7	P8	
6.8	P16	
		38
7.1		
7.2		
7.3		
7.4		
7.5		
		42
8.1		
8.2		
		45
9.1		
9.2		
9.3		
9.4		
9.5		

1.1

...

1.2

(1)

(2)

(3)

(4)

LVD	2014/35/EU	EN 61800-5-1
EMC 7 1-2 3 5	2014/30/EU	EN 61800-3

1.3

2.1

- 1.
- 2.
- 3.
- 4.

2.2

1. / “ ”
/
2.
3.
- U V W
- P N
4. 12
5.

90

4.

1

2.2.1

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•

•

•

•

6 -20 +60

0% 95%

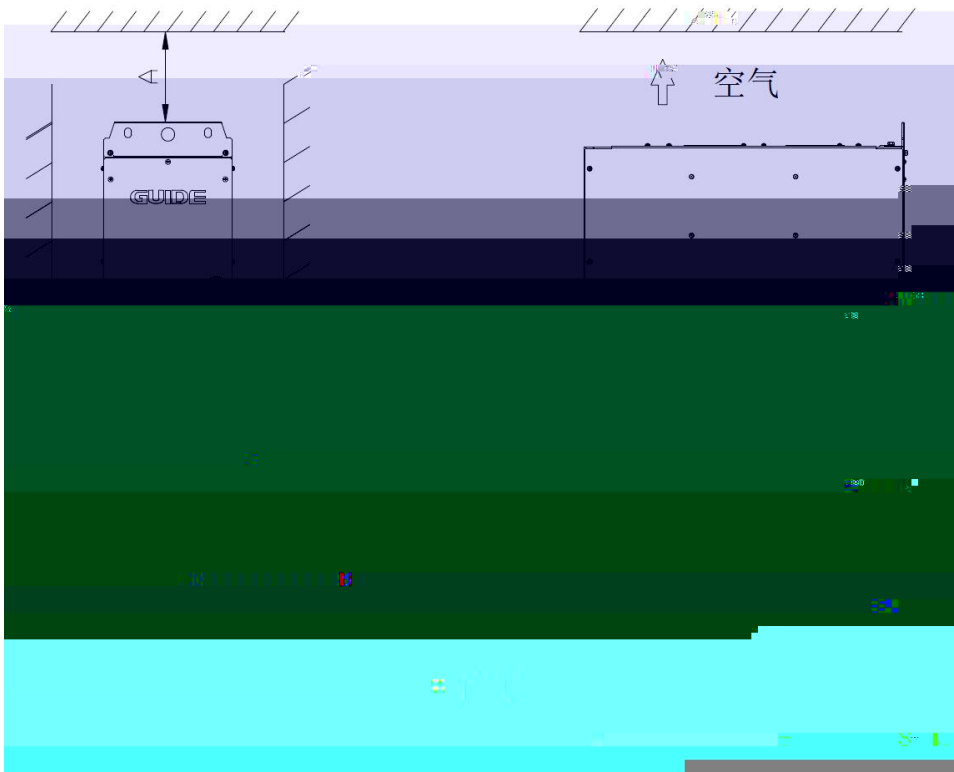
1

5

2.2.2

•

2.2.3



		$A \geq 200\text{mm}$	$B1 \geq 50\text{mm}$	$B2 \geq 50\text{mm}$

2.2.4

1	1	4
2	2	

EMC



4

3

1

PLC

20cm

20cm

90

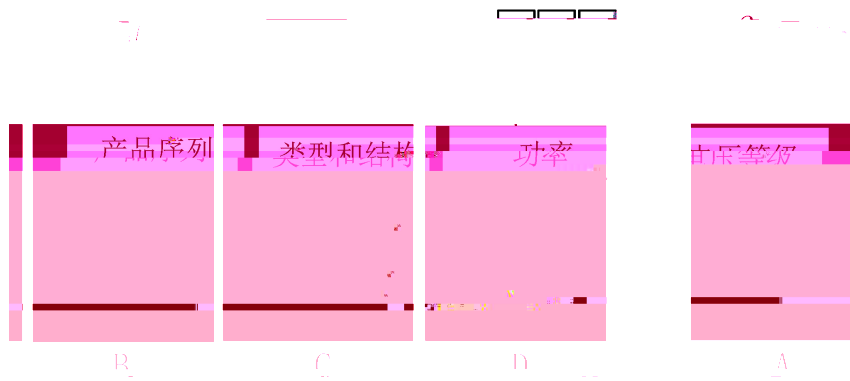
c

EMC

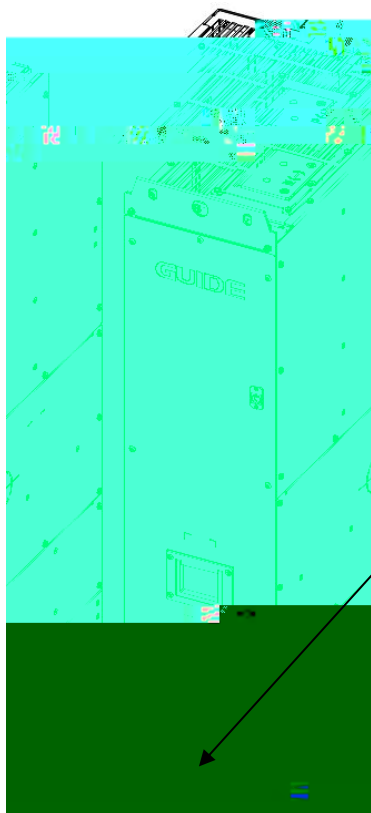
d



2.4



A	HF680N
B	13M
C	470:470kW 2000:2000kW
D	6 690V



相制勁呈元11100空送6HF680N13M-470-6

输入：DC 800V-1200V 0-50V-1200V

输出：AC3PH 0-850V 50Hz

Product ID: 6HF680N13M-470-6

MADE IN CHINA

XXXXXXXXXXXX

M/

HF680N13M-470-6

HF680N13M

470kW

690V

DC

AC

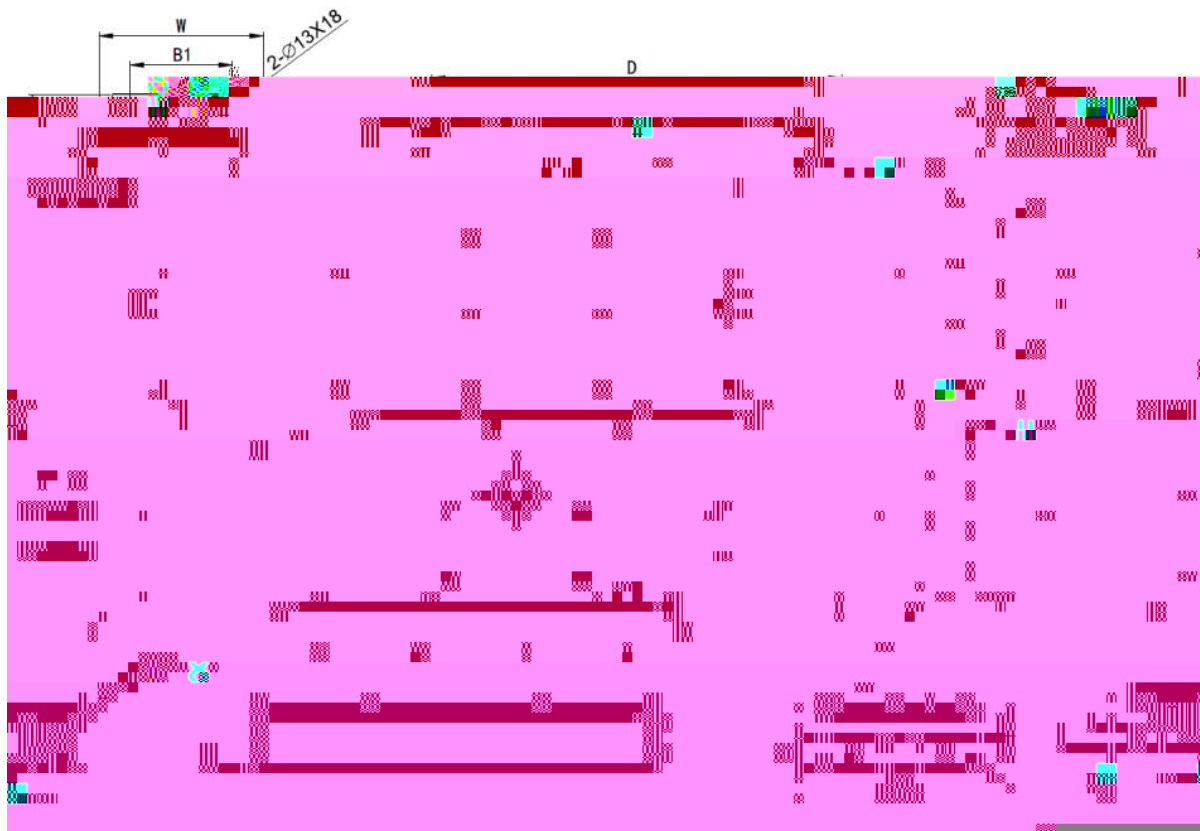
3PH

800V-1200V

0-850V 0-50Hz

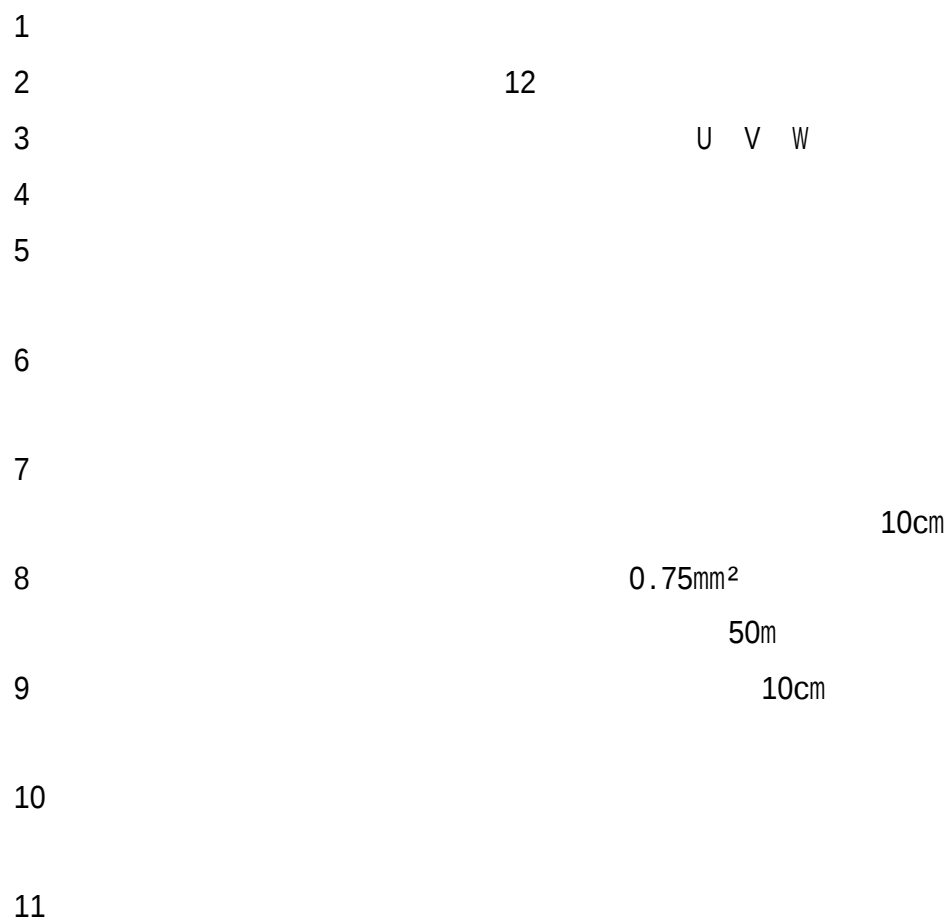
		3	1	2
		2	0 +10V	0mA/4mA 20mA
	LCD			
		1000m		
		-15	+40	40 50
		95%RH		
		-20	+60	

2.7



		mm				mm			8.8	kg
		H1	H2	W	D	A	B1	B2		
1	B7A	979	936	240	600	936	150	150	2-M12 2-M10	100

3.1



3.2



B7

Technical drawing of a rectangular component, likely a battery or electronic module. The drawing shows a top view with dimensions: 22 (width) and 35 (height). A label '6-M8' points to a screw on the right side. A label '1' points to a small component on the bottom left. The drawing is on a yellow background.

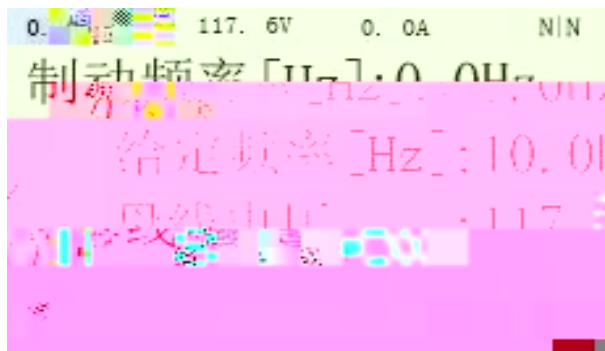
	+10V-GND	10V	+10V 50mA 1k Ω ~5k Ω
	+24V-COM	24V	+24V 200mA
	PW		24V DI1~DI5 D01 PW 24V
	A11-GND	1	DC -10V~10V 100k Ω
	A12-GND	2	-10VDC~10VDC/0mA~20mA J1 100k Ω 500 Ω
	DI1- PW	1	DI5 9V~30V DI1-DI4 20KHz 3.3k Ω 500Hz
	DI2- PW	2	
	DI3- PW	3	
	DI4- PW	4	
	DI5- PW	5	
	A01-GND	1	J2 0V~10V 0mA~20mA
	A02-GND	2	J8 0V~10V 0mA~20mA
	D01-COM	1	0V~24V 0mA~50mA
	D04A-D04C	1	250VAC 3A COS =0.4 30VDC 1A
	D04B-D04C	2	
	D05A-D05C	3	250VAC 2A COS =0.4 30VDC 1A

	J1	A12	
	J2	A01	
	J8	A02	

4.1

HF680N

4.3



“ ” “ ” 2

|

	“ _ ”
	:V
	A
	N N W E

4

ENTER (50Hz,)

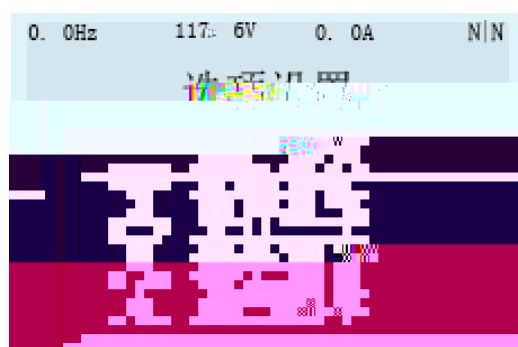
F1/F2

4.4



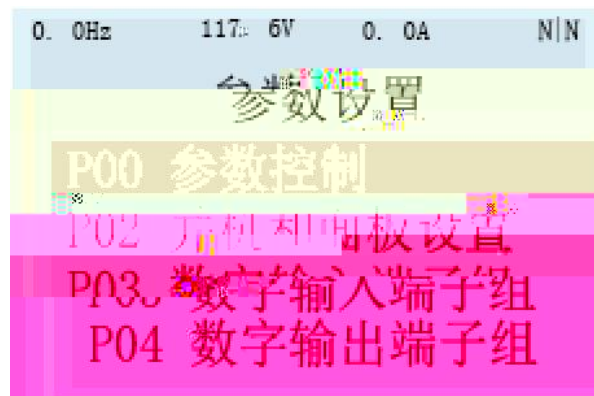
1	Option Set	
2	Parameter Setting	/
3	Reference Set	
4	Function Setting	
5	Fault Record	
6	Security	

4.4.1



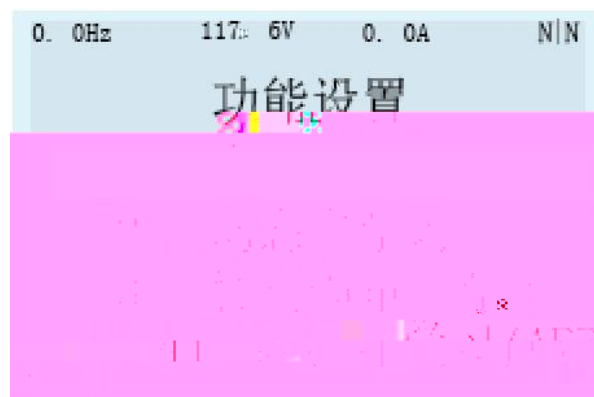
- 1 Choose Direction ,
- 2 Reset Error

4.4.2



Parameter Setting

4.4.3



Function Setting

- 1 MotoTuning I
- 2 MotoTuning II
- 3 MotoTuning III

5	Shortcut Paras Setting	
6	Parameter Initialization	
7	Delete Fault Records	
8	System Restart	
9	Backup Parameter	
10	Recover Parameter	
11	Compare Parameter	
12	Backup Para DSP DSP	DSP
13	Restore Para DSP DSP	DSP

1

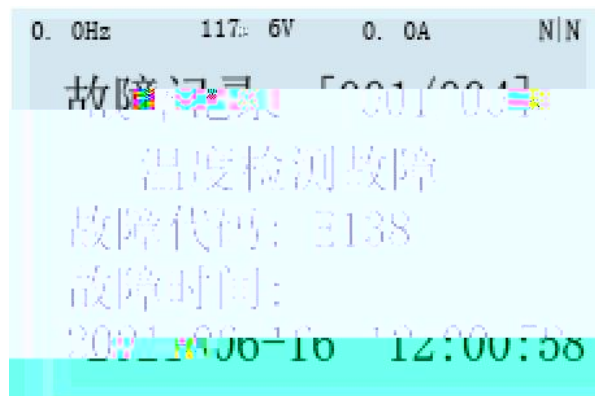
2

5



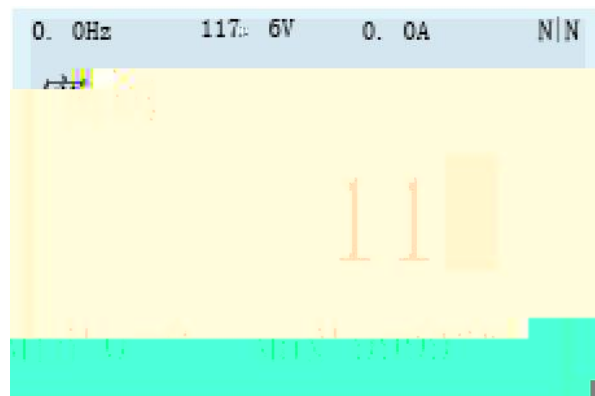
“ Enter ”

4.4.4



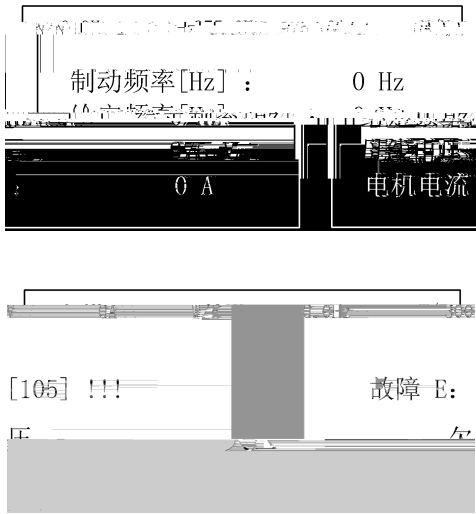
Fault Record

4.4.6



Access Permissions

5.2.2



5.2.3

6.7

P8.0		[0] [1] [3]MODBUS [5]	5
P8.10		[0] [1] 1 [2] 2	0
P07.65		-25~150V	0
P07.66		-25~150V	100

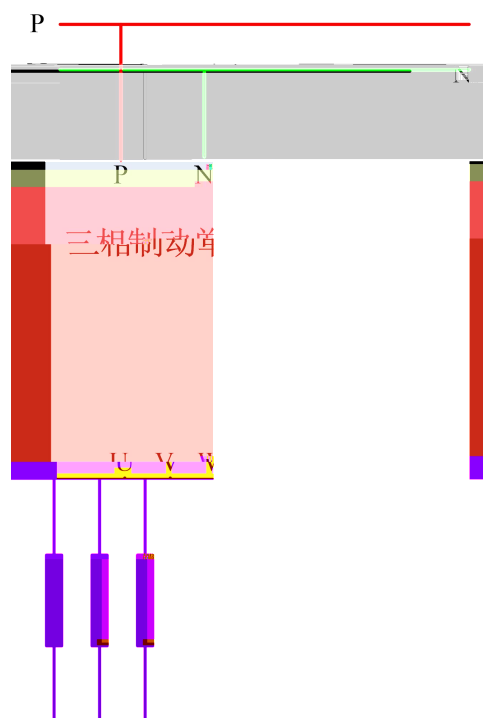
5.2.4

STOP

2	LOC/REM	LOCAL	LOCAL
3	P07.59=1		
4	RUN	RUN	
5			$1.075 \times 1.414 \times P16.0 + 40$
6			
7	STOP		

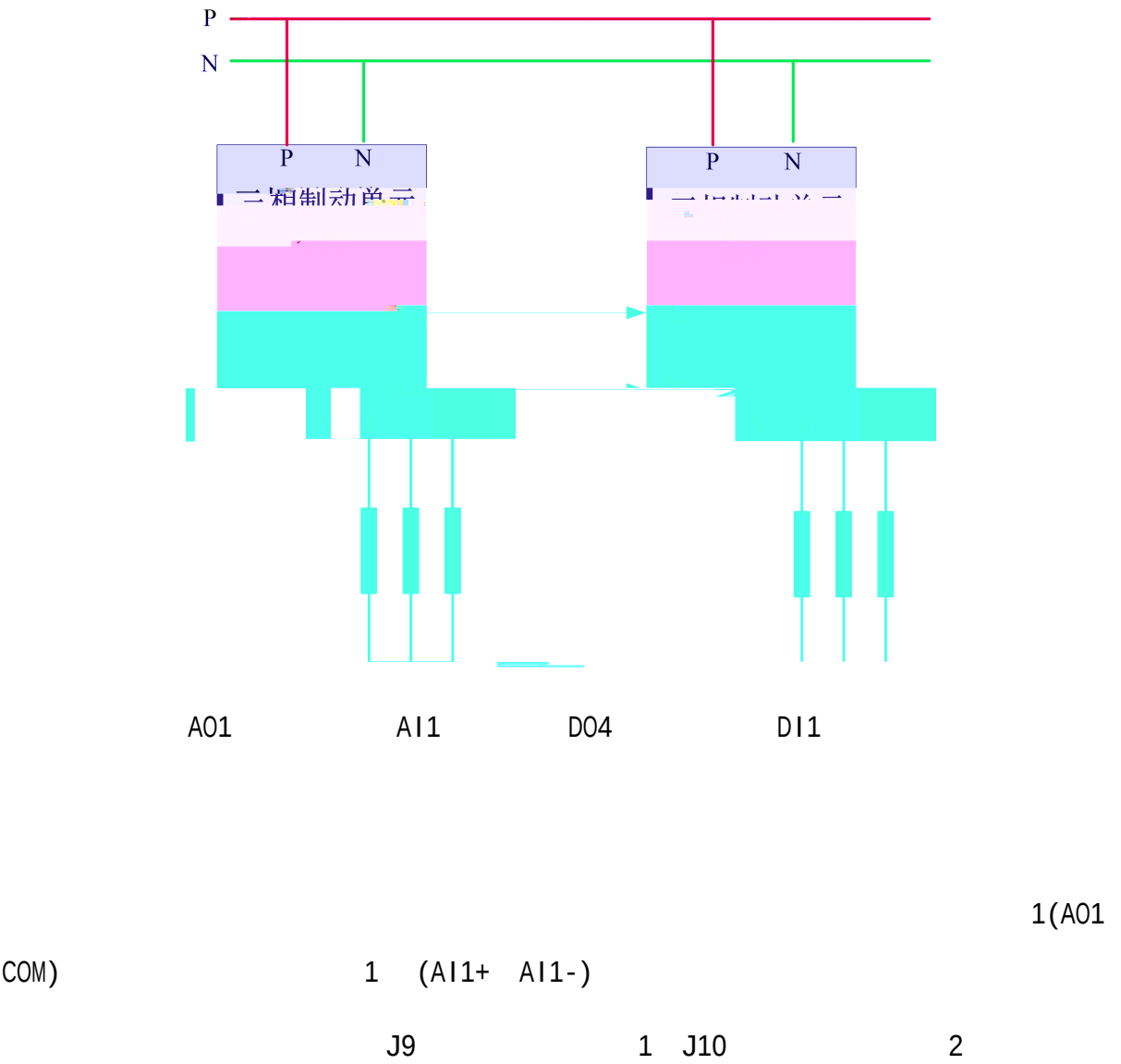
5.3

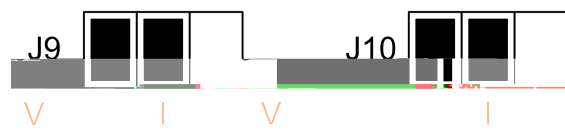
5.3.1



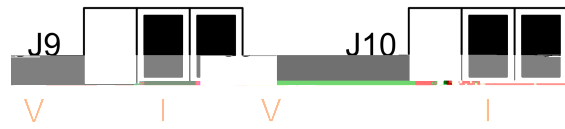
P08.00		5
P08.10		0
P07.65		0V
P07.66		100V

5.3.2





a.



b.

Đ

P06.00	A01	10
P06.02	A01	0.0
P06.03	A01	100.0
P06.08	A01	5.0
P04.03	4	1
P08.00		5
P08.10		0
P07.65		0V
P07.66		100V

P5.0	AI1	0~20mA
P5.1	AI1	20ms
P5.3	AI1	
P5.6	AI1	0
P5.9	AI1	100
P3.1		1
P08.00		0

6.1 P2

P2.2		[0] [1]	0 1	0	

6.2 P3

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

9

15	.NC	
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6.3 P4

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		0 64	0	

0

1

2

ON

4

5

12

3 !

2

b

3@ 1,,9,, 0 0

0

3

1A



P5.3	AI1	AI1	-20.00 20.00 [mA]	0.000 [mA]	7.4
P5.4	AI1	AI1	-10.00 10.00 [V]	0.000 [V]	7.4
P5.5	AI1	AI1	0.00 20.00 [mA]	0.000 [mA]	7.4
P5.6	AI1	AI1	-300.0 300.0 [%]	0.0 [%]	7.4
P5.7	AI1	AI1	-10.00 10.00 [V]	10.000 [V]	7.4
P5.8	AI1	AI1	0.00 20.00 [mA]	20.000 [mA]	7.4
P5.9	AI1	AI1	-300.0 300.0 [%]	100.0 [%]	7.4
P5.18	AI2	[0] [1]0 +10V [2]-10 +10V [3]0 20mA	0 3	3	
P5.19	AI2	AI2	0.0 1000.0 [ms]	25.0 [ms]	
P5.20	AI2	AI2	-10.00 10.00 [V]	0.000 [V]	
P5.21	AI2	AI2	-20.00 20.00 [mA]	0.000 [mA]	
P5.22	AI2	AI2	-10.00 10.00 [V]	0.000 [V]	
P5.23	AI2	AI2	0.00 20.00 [mA]	0.000 [mA]	
P5.24	AI2	AI2	-300.0 300.0 [%]	0.0 [%]	
P5.25	AI2	AI2	-10.00 10.00 [V]	10.000 [V]	
P5.26	AI2	AI2	0.00 20.00 [mA]	20.000 [mA]	

[13]) [%] [%]

A01

o

P6.22 A02

			[%]	[%]	
P7.49	1	1	0.00 60.00 [s]	60.00 [s]	7.3
P7.50	2	2	0.0 300.0 [%]	200.0 [%]	7.3
P7.51	2	2	0.00 5.00 [s]	5.00 [s]	7.3
P7.59		[0] [1]	0 1	1	
P7.60			0.10 3.00 [s]	0.30 [s]	
P7.60			0.10 3.00 [s]	0.30 [s]	
P7.65			-25~150V	0V	
P7.66			-25~150V	85V	

6.7 P8

P8.0		[0] [1] [2] [3]MODBUS [4] [5]	0 5	5	7.3
P8.3		[1]	0 1	1	7.3
P8.10		[0] [1] 1 [2] 2 [3] [4] [5] [6]	0 6	0	7.3

6.8 P16

P16.0			320 760 [V]	690 [V]	7.8

P16.3			320 850 [V]	810[V]	7.8
P16.4			0.0 3000.0 [A]	[A]	7.8
P16.11		[0]	0	0	7.8

7.5

1

P16.0

2

P16.3

850V

;

810V,

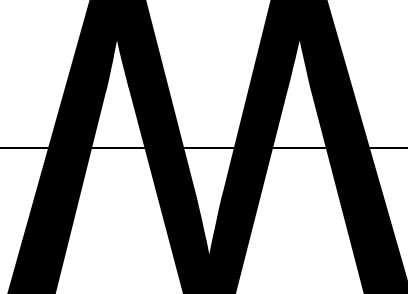
3



8.2

[E050] U ERR_UT pon

[illegible]



[E137]	N STALL				
[E138]	TEMP_SENSING FAIL				
[E152]	U	IGBT		IGBT	
		PDP [UB]		IGBT	
[E154]	V	IGBT		IGBT	
		PDP[VB]		IGBT	
[E155]	W	IGBT		IGBT	GBTm p
		PDP [WT]			

9.2

- 1.
- 2.

- 1.
- 2.

- 1.
- 2.
- 3.

- 1.
- 2.

1. > 40
< 95%

- 2.

- 1.
- 2.

- 1.
- 2.
- 3.

- 1.
- 2.

9.4

5

1 406€ \$ 0m

2 80%

3 24 /

HF680N13M

690V

1.00

GUIDE

- 1
- 2
- 3

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6

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