









1

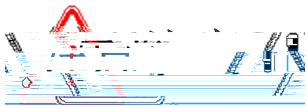
2

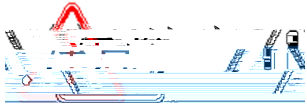


10

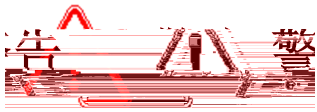


U V W



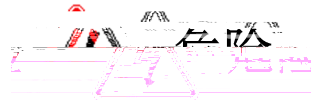


3



IEC







1  
1.1  
1.2  
1.3 N5-N10  
1.4  
1.5  
1.6  
1.7  
2  
2.1  
2.2  
2.3  
2.4 LC  
3  
3.1  
3.2  
3.3  
4  
4.1  
4.2 LCD  
4.2.1 LCD  
4.2.2 LCD  
4.2.3 LCD  
5  
5.1 P0  
5.2 P3  
5.3 P4  
5.4 P7  
5.5 1 P8  
5.6 2 P9  
5.7 V/F P16  
5.8 2 V/F P17  
5.9 AFE/ P24  
6  
7  
7.1  
7.2  
7.3  
8  
8.1  
8.2  
8.3  
8.4  
8.5



HF630N

250kW

型号: HF630N-250-4+SW06

变频柜

HF630N-250-4+SW06      HF630N      250kW  
380V  
3PH  
380V-480V 50/60Hz  
0-480V 48-62Hz

### HF630N

	[A]	[kW]	
HF630N-045-4+SW06	94	45	
HF630N-055-4+SW06	115	55	N5
HF630N-075-4+SW06	155	75	
HF630N-090-4+SW06	188	90	
HF630N-110-4+SW06	215	110	N6
HF630N-132-4+SW06	265	132	
HF630N-160-4+SW06	303	160	N7
HF630N-185-4+SW06	365	185	
HF630N-200-4+SW06	396	200	N8
HF630N-220-4+SW06	438	220	

HF630N- 250- 4+SV06	485	250	N9
HF630N- 280- 4+SV06	545	280	
HF630N- 315- 4+SV06	610	315	N10
HF630N- 355- 4+SV06	668	355	
HF630N- 400- 4+SV06	720	400	
HF630N- 450- 4+SV06	820	450	

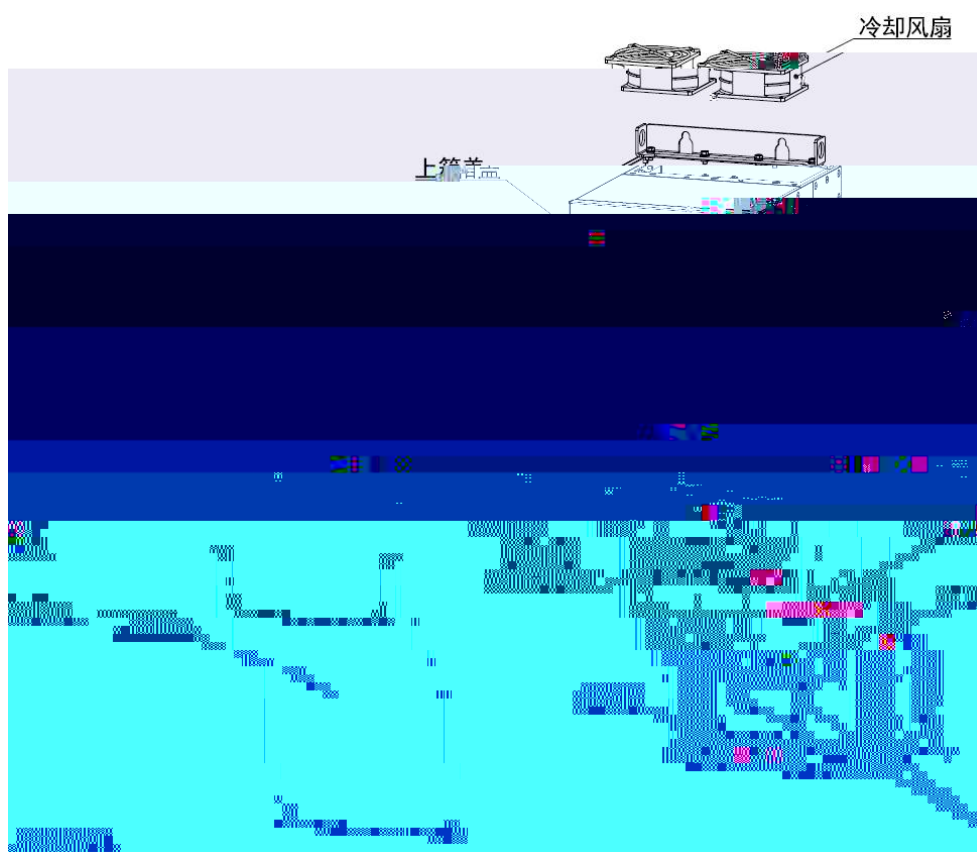
1 LCD

2

3 150% 10 1

1. 2

HF630N



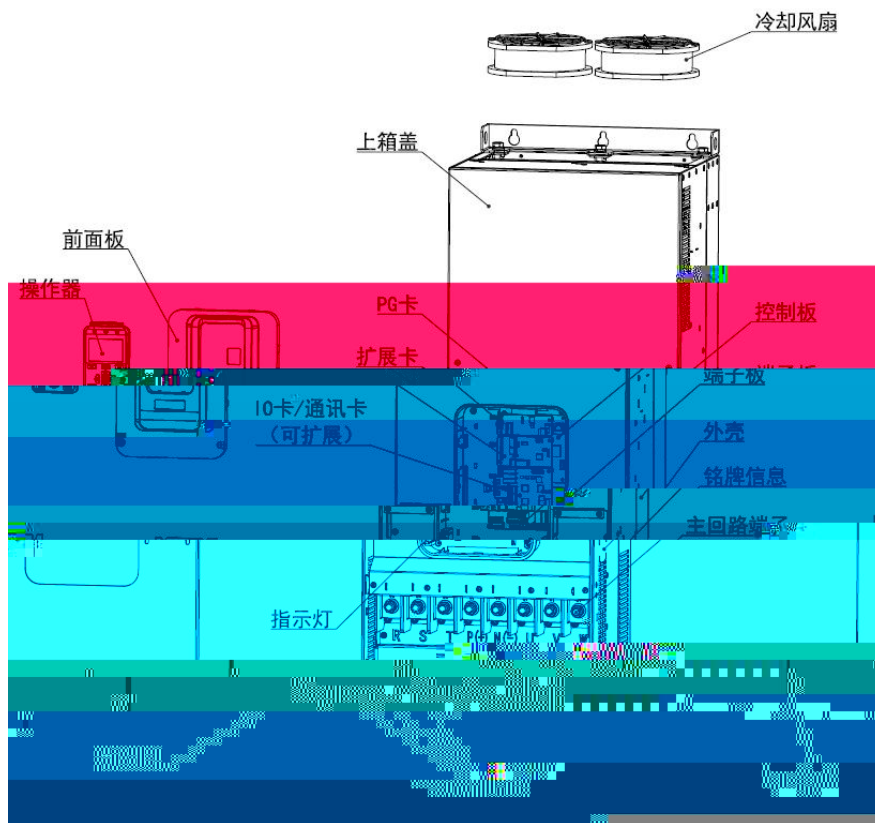
N5

380V 480V 45kW 75kW



N6

380V 480V 90kW 110kW



N7

380V 480V 132kW 160kW



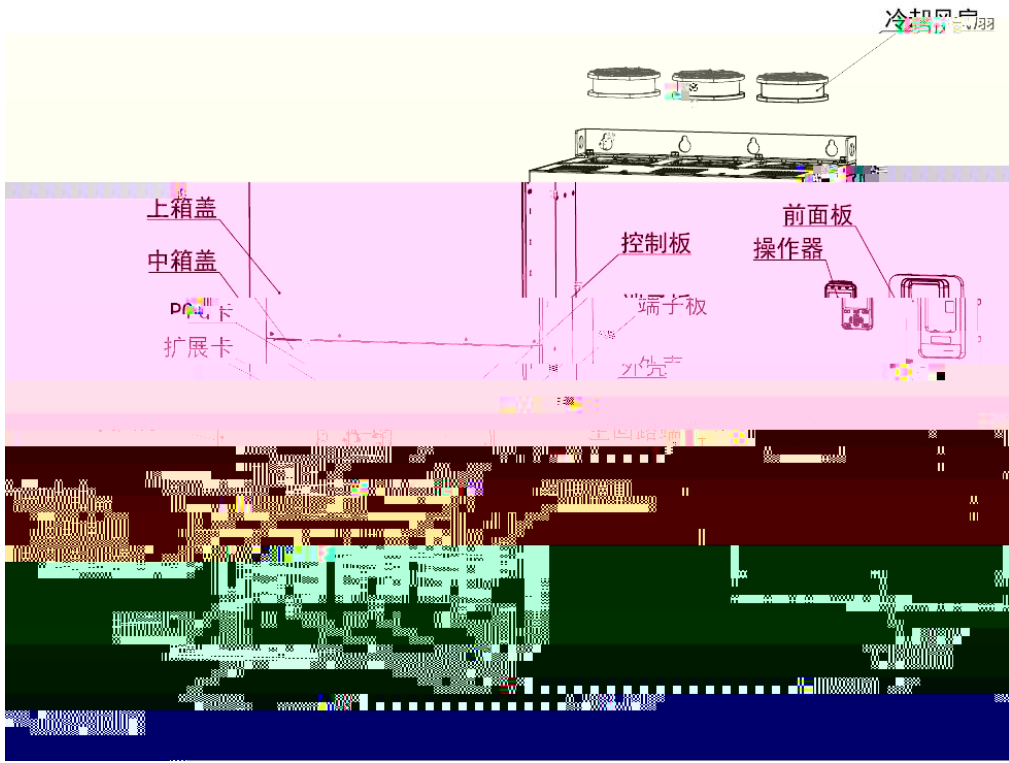
N8

380V 480V 185kW 220kW



N9

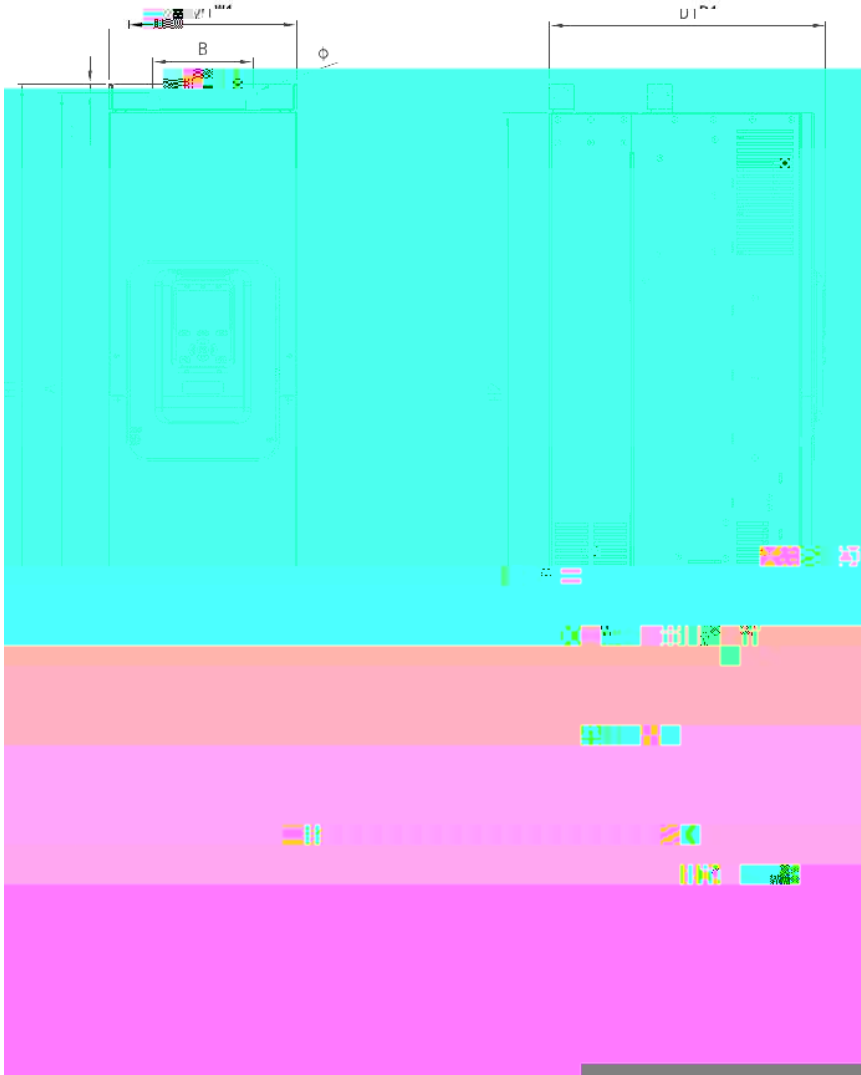
380V 480V 250kW 280kW



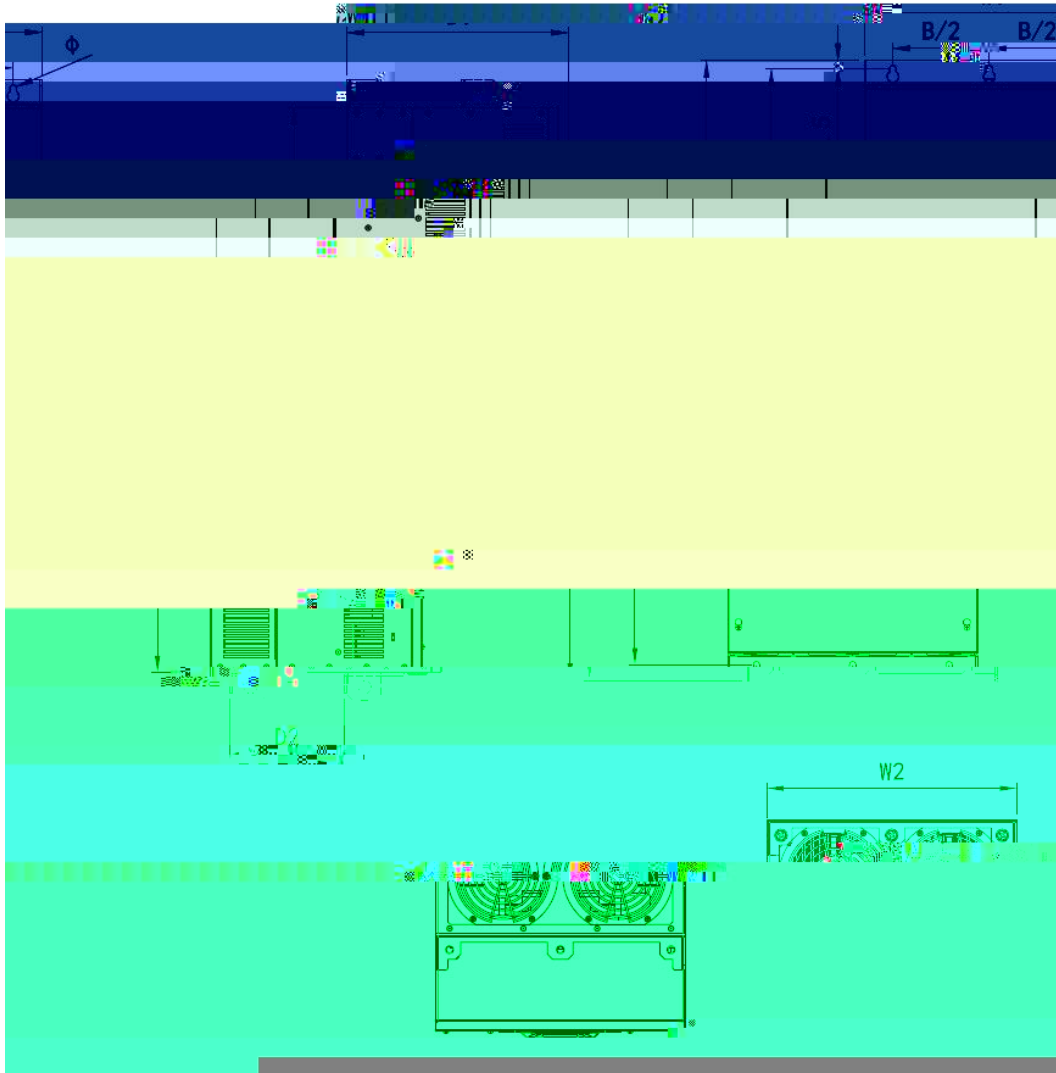
N10

380V 480V 315kW 450kW

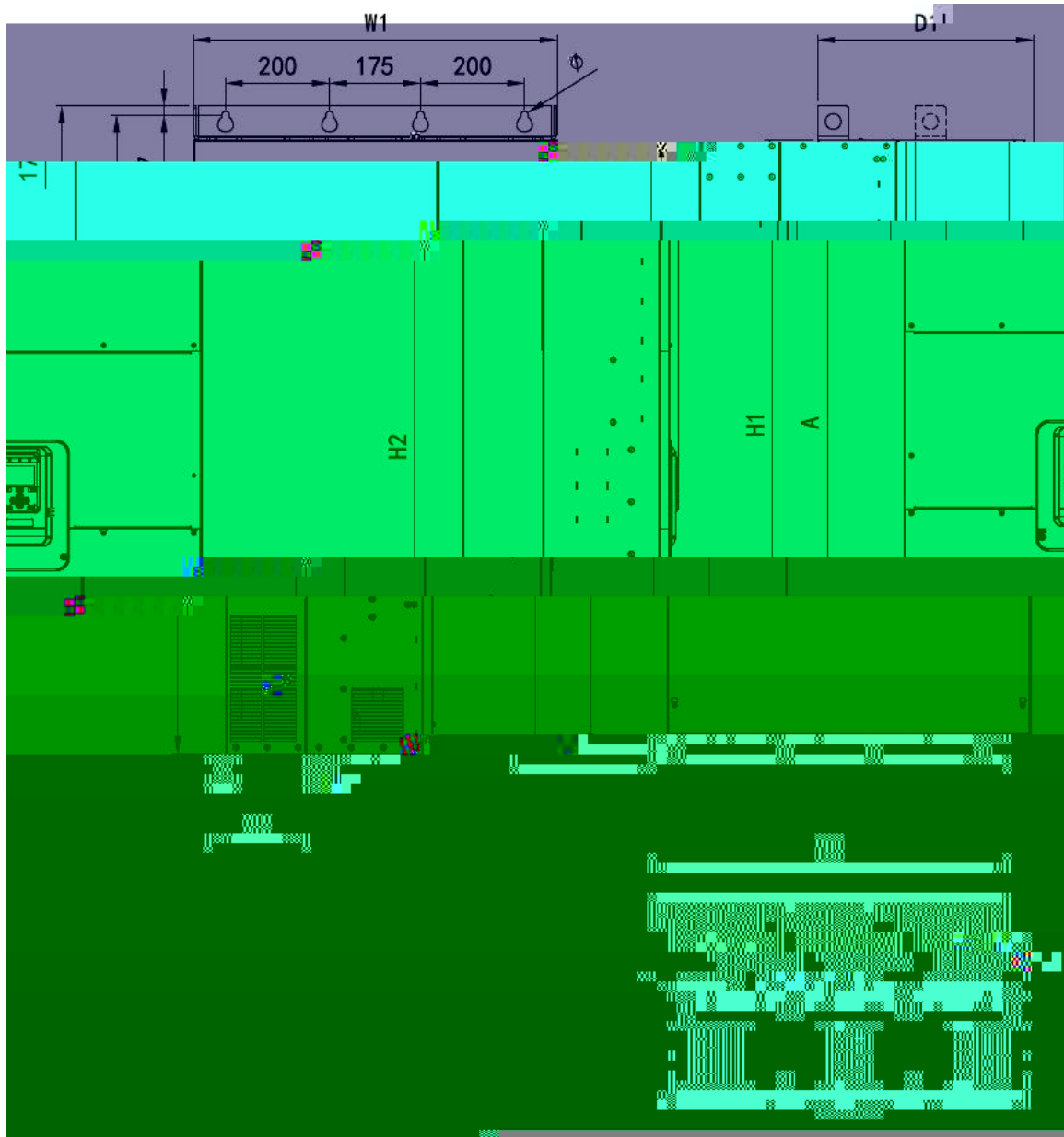
1.3 N5~N10



N5~N6



N7~N9



N10

1.4



	H1	H2	W1	W2	D1	D2	A	B	8.8	kg	
									M		
N5	45kW										
	55kW	766	766	200	235	346	123	79	125	4-M8	38
N6	75kW										
	90kW	885	885	250	315	332	153	80	225	4-M8	58
	110kW										
N7	135kW										

1.5

		380V 480V
		50/60Hz
		-15% +10%
		fLN± 2 ± 4
		2 fLN/s
		350V 450V
		1% 3.5%
		100% / 10% 0.5
		THD 3.5%

0%

CF=1.4

48-52Hz 58-62Hz

1kHz 10kHz

0.01Hz

x0.1%

V/F

VF

50± 0.01

0.01%

Q7

0

UP, "2:Ñ•p

20

0%

OF

		2
		80db

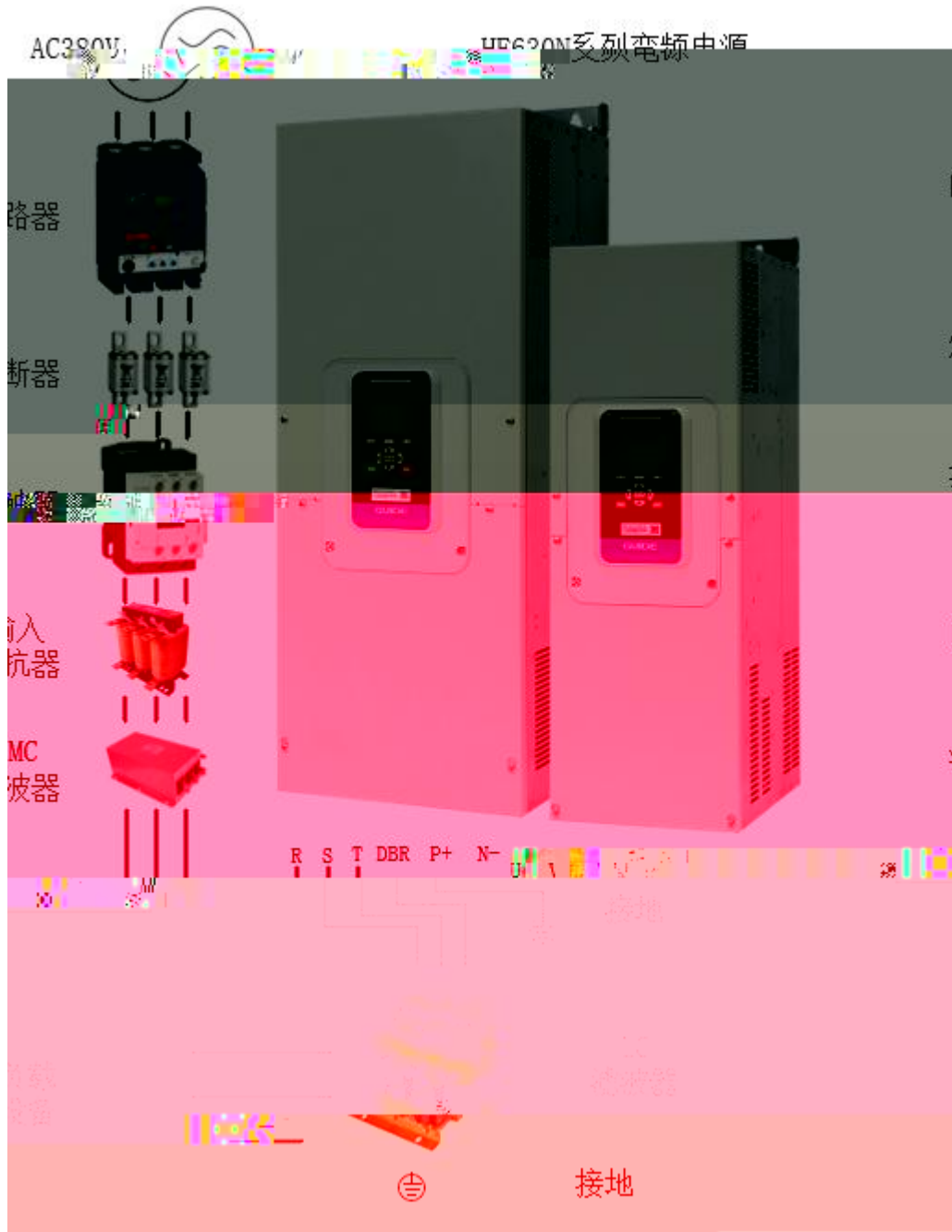
## 1. 6

	[kW]	[kW]
HF630N- 045- 4+SV06	45	1. 128
HF630N- 055- 4+SV06	55	1. 313
HF630N- 075- 4+SV06	75	1. 486
HF630N- 090- 4+SV06	90	1. 956
HF630N- 110- 4+SV06	110	2. 422
HF630N- 132- 4+SV06	132	3. 1
HF630N- 160- 4+SV06	160	3. 663
HF630N- 185- 4+SV06	185	4. 495
HF630N- 200- 4+SV06	200	4. 8
HF630N- 220- 4+SV06	220	4. 91
HF630N- 250- 4+SV06	250	5. 88
HF630N- 280- 4+SV06	280	7. 044
HF630N- 315- 4+SV06	315	7. 708
HF630N- 355- 4+SV06	355	8. 003
HF630N- 400- 4+SV06	400	8. 718
HF630N- 450- 4+SV06	450	9. 1



2

2.1



HF630N

2 2

		( )
EMC		
LC		PWM

2 3

	A	/ CEFR	mm <sup>2</sup> 40%	A (AC-3)
45kW	94		16	95
55kW	115		16	115
75kW	155		25	150
90kW	188		35	205
110kW	215		50	245
132kW	265		70	300
160kW	330		95	410
185kW	365		95	410

200kW	396	120	475
220kW	438	120	475
250kW	485	70* 2	620
280kW	545	70* 2	620
315kW	610	95* 2	620
355kW	668	120* 2	2* 410
400kW	720	120* 2	2* 410
450kW	820	150* 2	2* 475

## 2.4 LC

	LC
45KW	GDHF - 045- LC- 4
55KW	GDHF - 055- LC- 4
75KW	GDHF - 075- LC- 4
90kW	GDHF - 090- LC- 4
110kW	GDHF - 110- LC- 4
132kW	GDHF - 132- LC- 4
160kW	GDHF - 160- LC- 4
185kW	GDHF - 185- LC- 4
200kW	GDHF - 200- LC- 4
220kW	GDHF - 220- LC- 4
250kW	GDHF - 250- LC- 4
280kW	GDHF - 280- LC- 4
315kW	GDHF - 315- LC- 4
355kW	GDHF - 355- LC- 4
400kW	GDHF - 400- LC- 4
450kW	GDHF - 450- LC- 4

---

3

3.1

10cm  
5cm

6

-10 +40

40

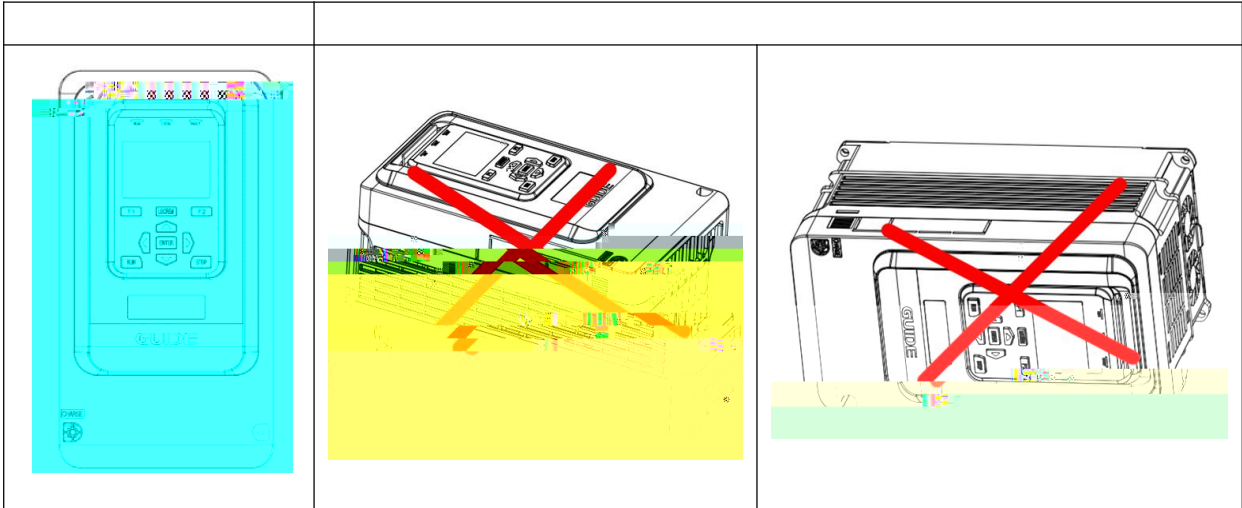
1

1%

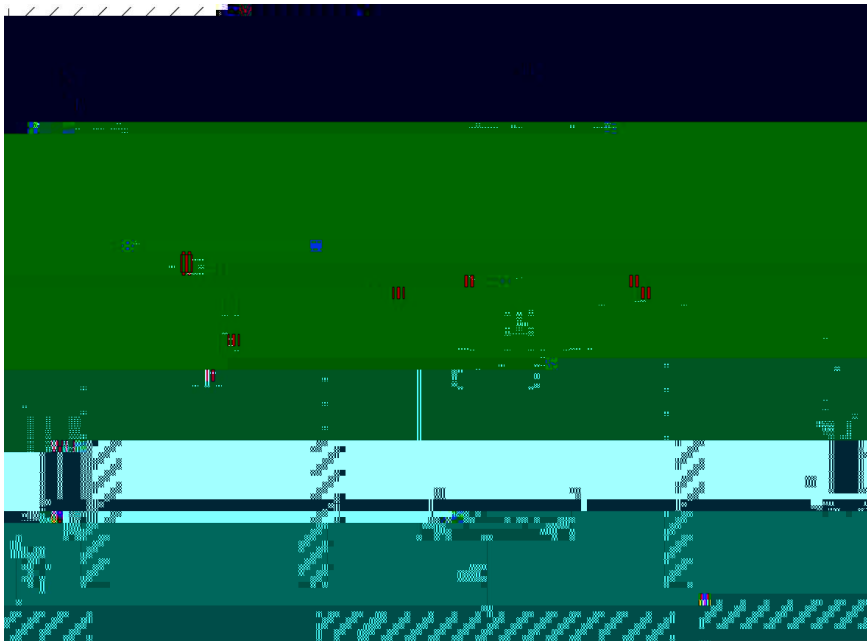
50

3.2

3.2.1



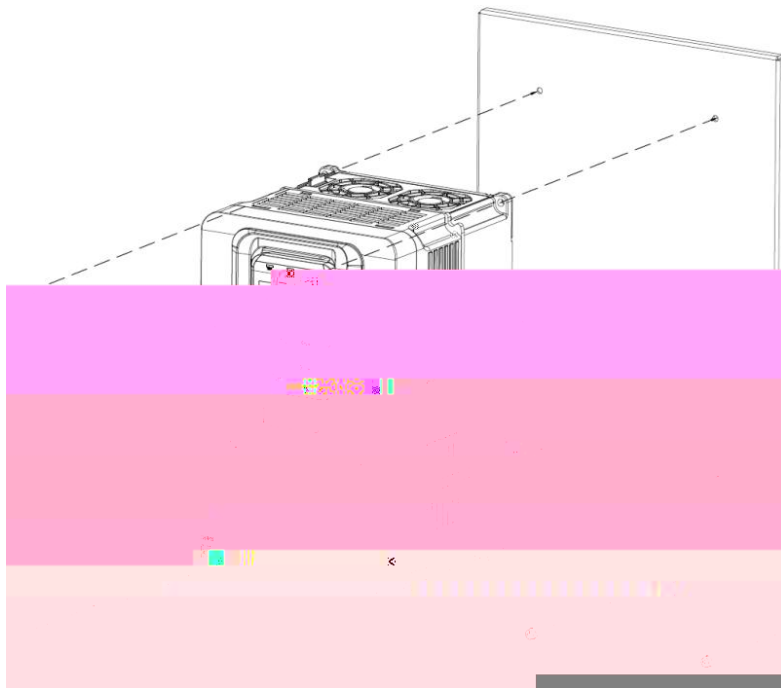
3.2.2

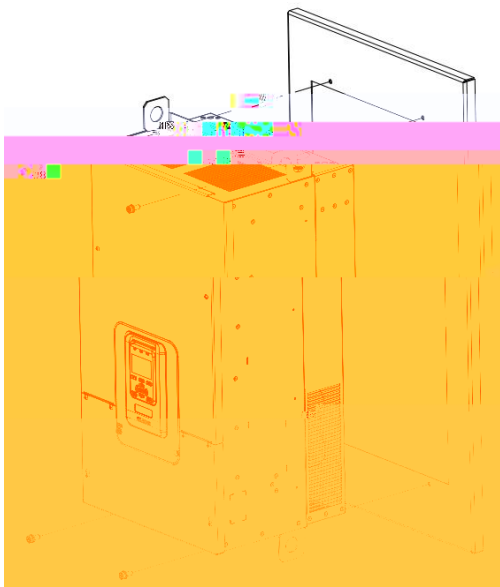
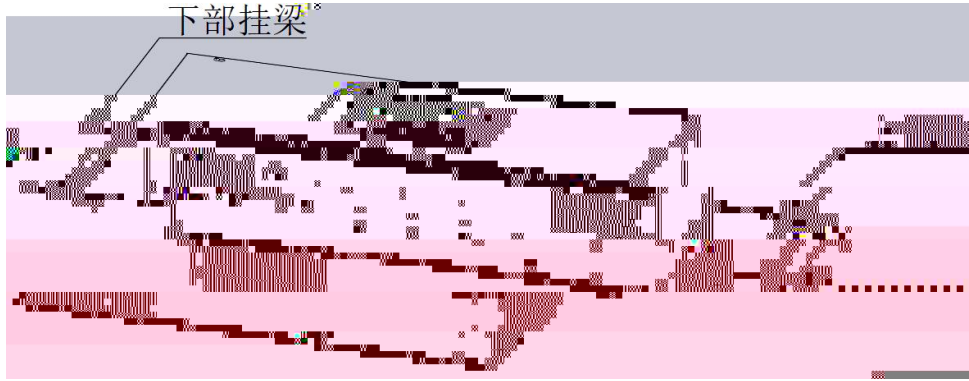


				( mm)	
N5	N6	45kW	110kW	A 250	B 50
N7	N10	132kW	450kW	A 300	B 50

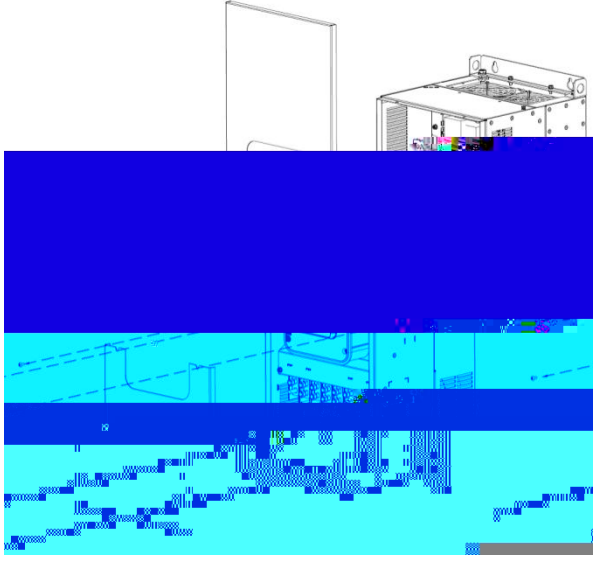
### 3.2.3

1  
0





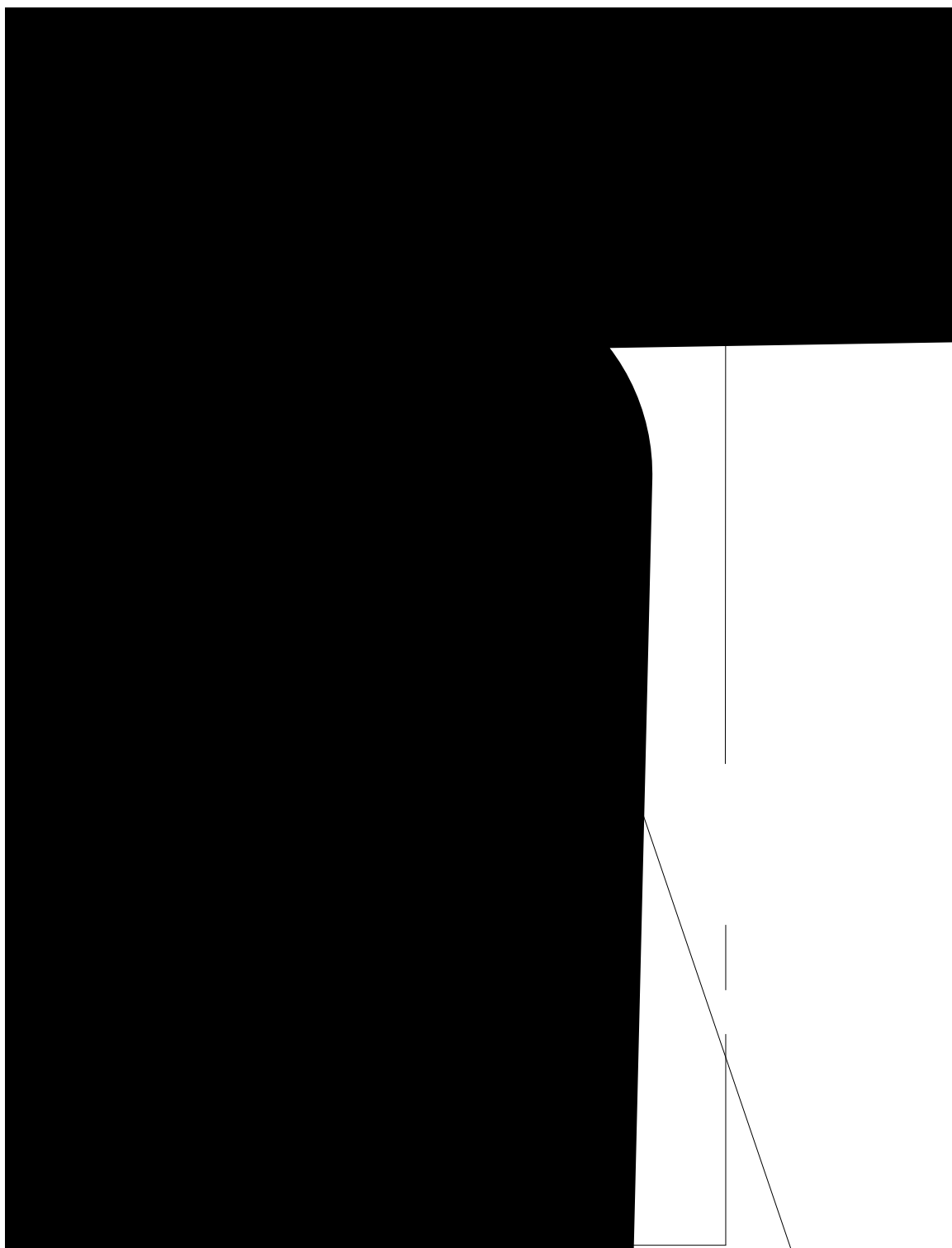
3.2.4

N5 N10	
1	 The image shows a technical drawing of a device assembly. At the top, there is a simple line drawing of a rectangular frame. Below it, a more detailed perspective drawing shows a complex assembly with various components, including what appears to be a control panel or display area. A large, solid blue rectangular area is superimposed over the middle and lower portions of this detailed drawing, obscuring some of the details. The drawing is positioned on the right side of the table, spanning across the three rows of the body.
2	
3	

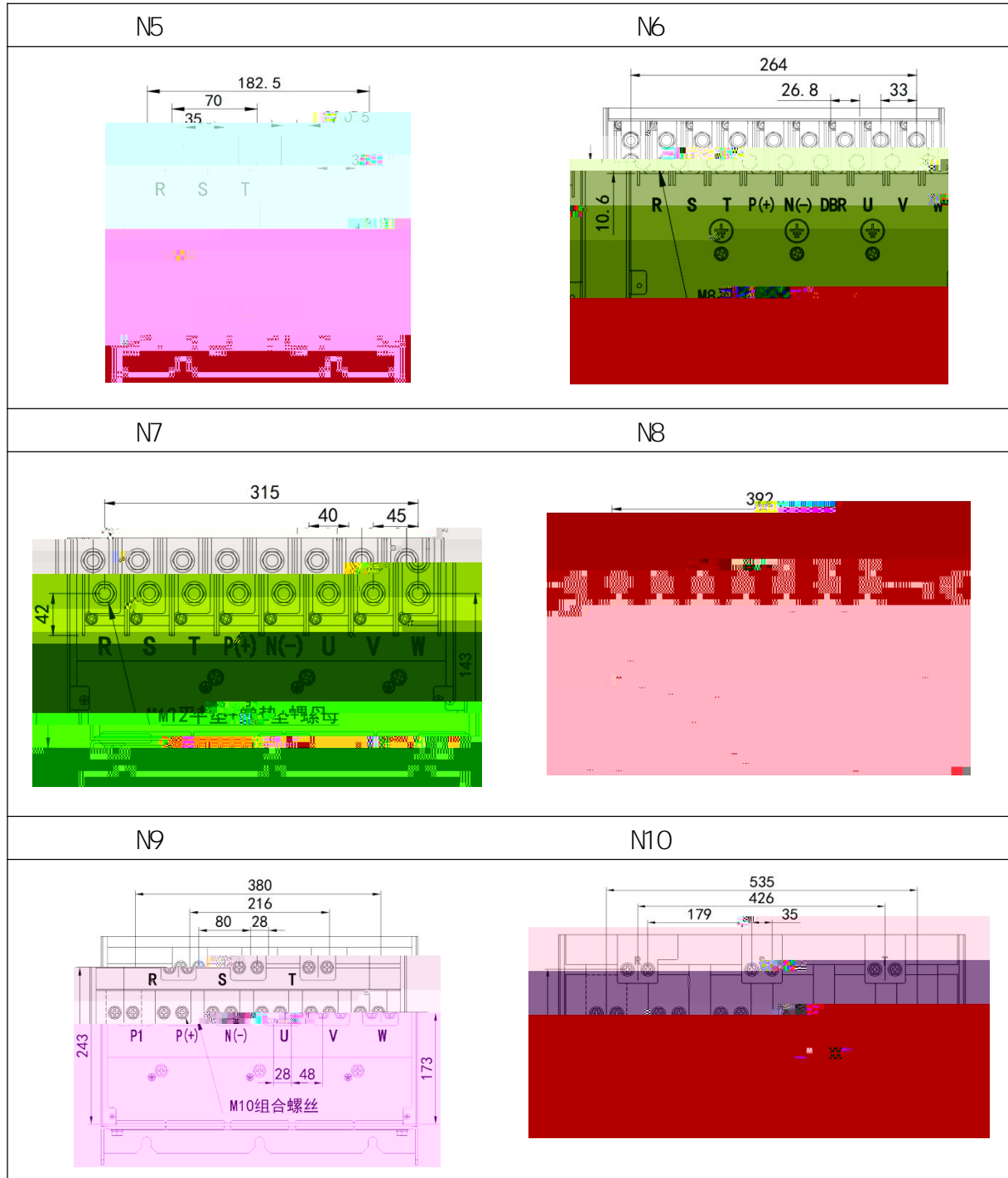
---

### 3.3

#### 3.3.1



3.3.2



---

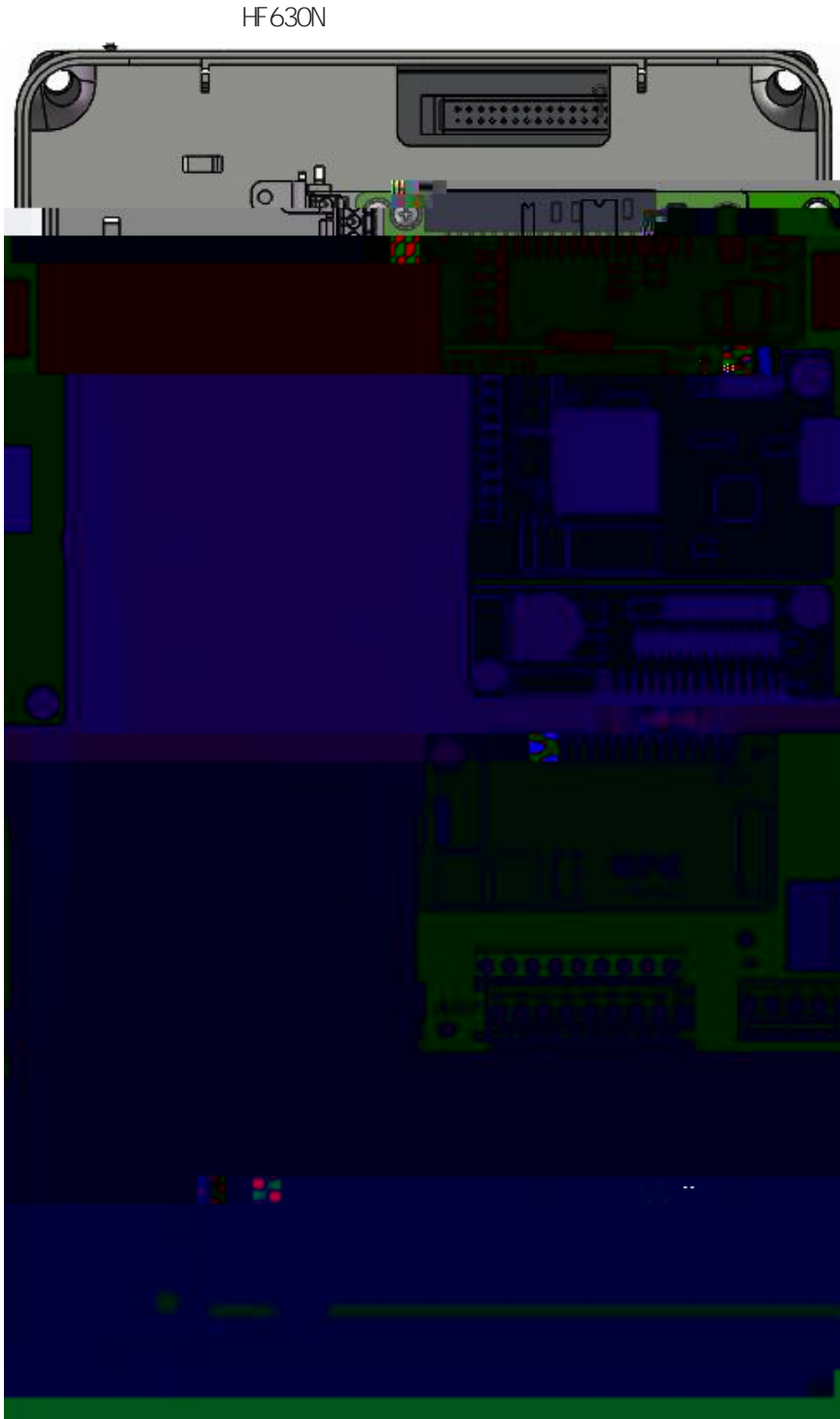
---

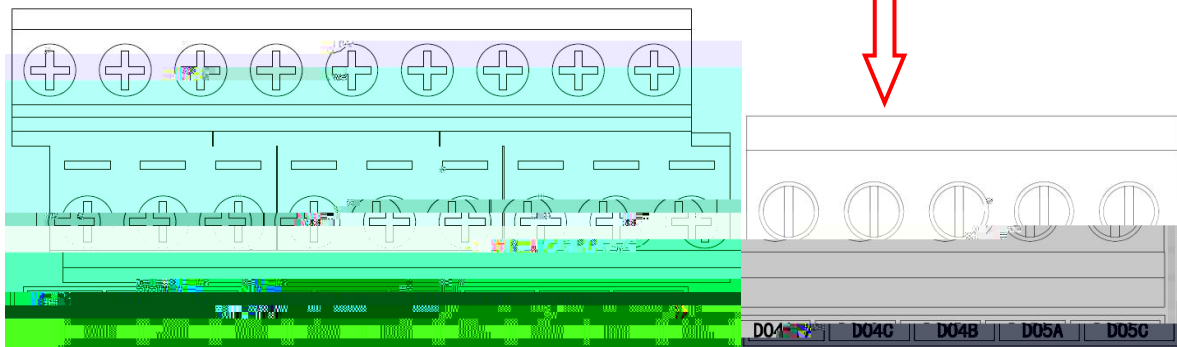
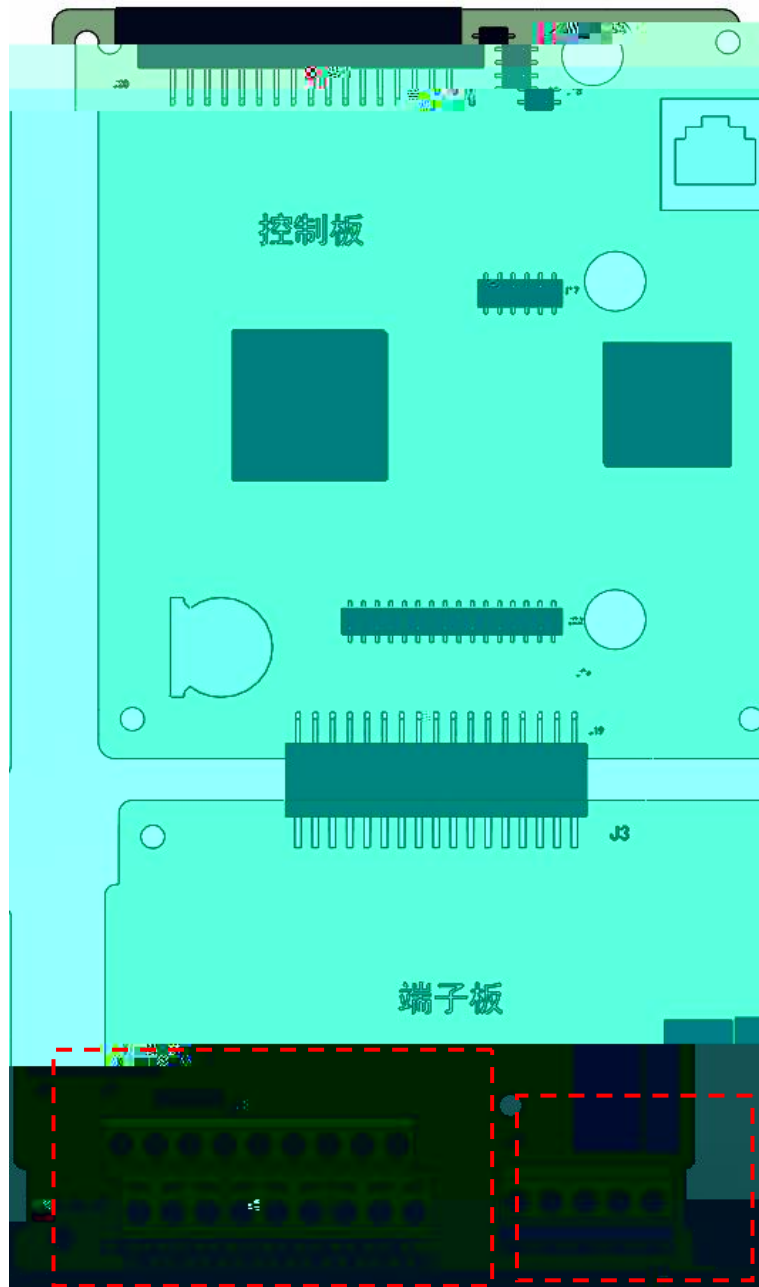
(4) N9~N10

---

7	10cm	
8	50m 0.75mm <sup>2</sup>	
9	10cm	
10		
11		

3.3.4





+10V- GND	10V		+10V	50mA
				1k
		~5k		
+24V- COM	24V		+24V	200mA
			24V	
PW			DI 1-DI 5 DO1	PW
			24V	
AI 1- GND		1	DC -10V~10V	100k
			-10VDC~10VDC/0mA~20mA	
AI 2- GND		2 J1		
			100k	500
DI 1- PW	1			
DI 2- PW	2			3. 3k
DI 3- PW	3		9V~30V DI 1- DI 4	
DI 4- PW			500Hz DI 5	20KHz

# 1 - DI 1

• 100k 100k 100k 100k 100k 100k 100k 100k 100k 100k

VDS- (EED)

# C

GUIDE

3.3.5



LC

	R S T		LC
	Va Vb Vc		

# 4

## 4.1

HF630N

LCD

## 4.2 LCD

HF630N F1  
LOCAL/REMOTE F2 RUN STOP /RESET ENTER



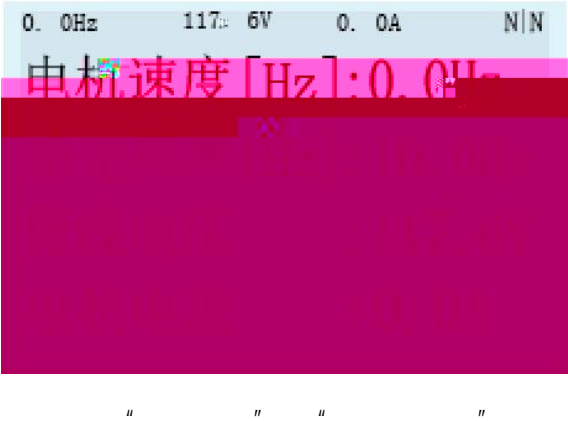
4.2.1 LCD

ENTER

RUN STOP

LOCAL/REMOTE /

LCD



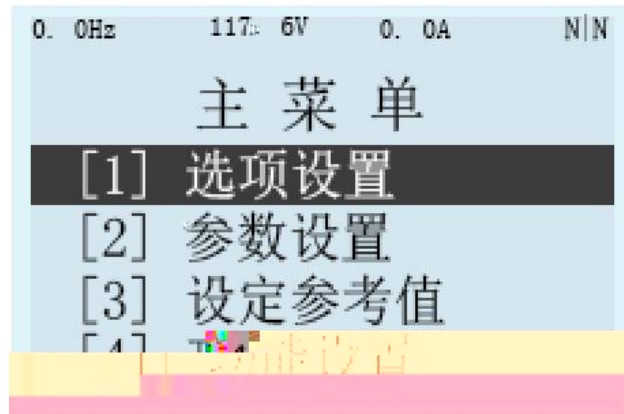
---

4

ENTER

F1/F2

#### 4.2.2 LCD



1                    Option Set

2                    M p n                    0

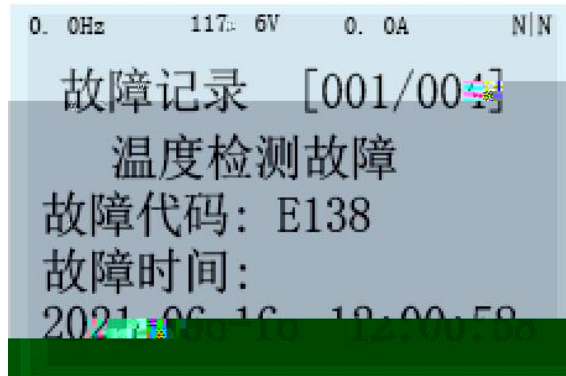


---



" Enter"

#### 4 LCD



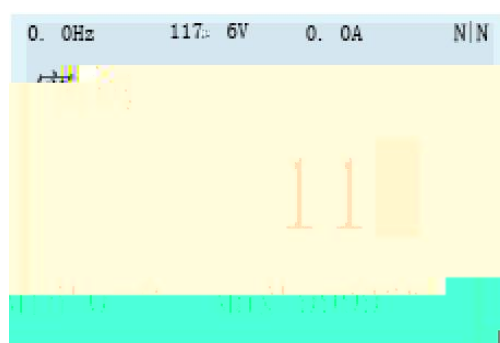
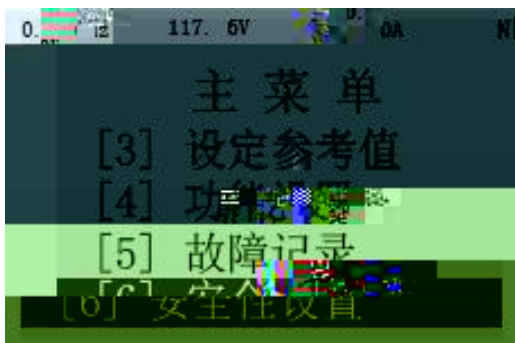
Fault Record

#### 5 LCD

1 " " Access Permissions

000

" ENTER" " "



2

" "

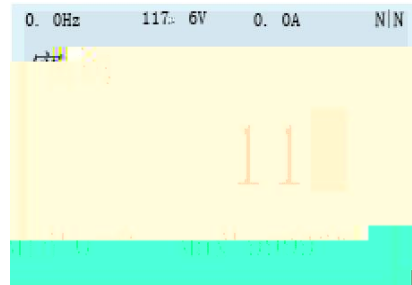
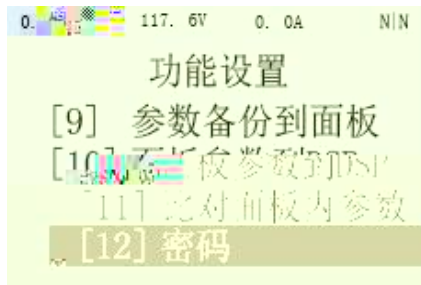
" "

" ENTER"

000

" ENTER"

" "

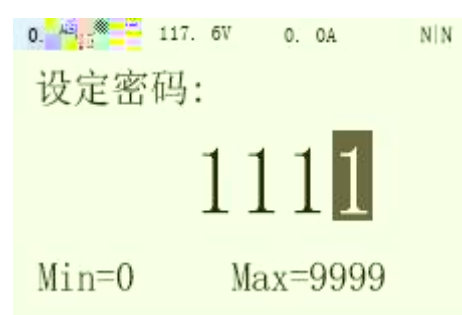
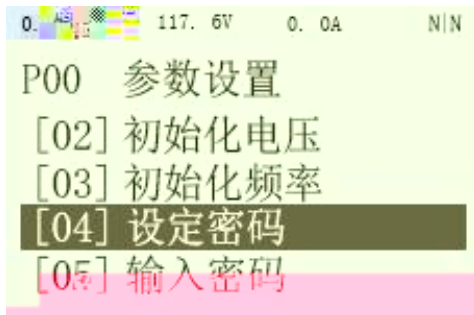


3

" P00

" "

"



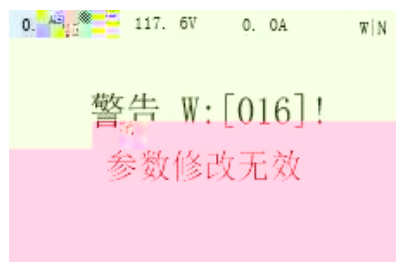
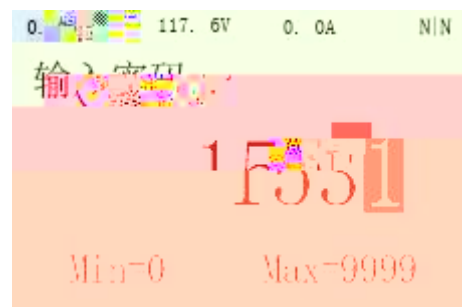
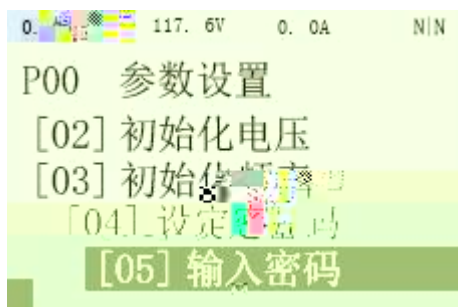
4

" P00

" "

"

P00.04



## 5

	P0		V/F	P16	V/F 1
	P3			P17	V/F 2
	P4		AFE	P24	
	P7				
	P8	1			
	P9	2			

### 5.1 P0

	[0]		
P0.0	[1]		0 1 0
P0.1			0 27 14
P0.3	[0] 50HZ [1] 60HZ		0 1 0
P0.4			
P0.5			

P3. 10	11		0 41	0	
P3. 11	12		0 41	0	

0					
1					
5			</RST		
17	0	1	0		∞
18	1	1 01	2		
29	UP				
30	DOWN				
31	UP			0. 01Hz	
32	DOWN			0. 01Hz	

### 5. 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	
P4. 5	6		0 64	0	
P4. 6	7		0 64	0	
P4. 16	1		0 500	0	
P4. 17	2		0 500	0	
P4. 18	3		0 500	0	
P4. 19	4		0 500	0	



---

P7. 43			0-50s	5s	P7. 17 P7. 18
P7. 44			0-50s	2s	
P7. 52	A		0-6000A		1. 5*1. 8*
P7. 53	A		0-6000A		
P7. 59		[ 0] [ 1]	0-1	0	
P7. 60			0-3s	0. 5s	
P7. 61			200-400V	375V	
P7. 62			360-480V	425V	
P7. 67			200-400V	350V	
P7. 68			360-480V	450V	
P7. 90			0-60 Hz	48 Hz	
P7. 91			0-65 Hz	52 Hz	
P7. 92					

P8.10	[0] I/O [1] [2] [3] DP [4] MODBUS [6]	1 2	0 6	0
-------	--	--------	-----	---

5.6 2 P9

P9.0	[0] [1] [2] DP [3] MODBUS [4]		0 4	0
P9.10	[0] I/O [1] [2] [3] [4] DP [5] MODBUS [6]	1 2	0 6	0

5.7 V/F P16

P16.0		320 460	380
		[V]	[V]
P16.2		0.0 4000.0	
		[kW]	[kW]
P16.3		320 460	380
		[V]	[V]
P16.4		0.0 6500.0	
		[A]	[A]
P16.11	[0] V/F	0 2	0
P16.12		1.00 10.00	3.00
		[kHz]	[kHz]

---

	[0]	V/F			
P16. 14	[1]	V/F	0 3	0	[3]
	[2]				
	[3]				
P16. 23			0. 00	0. 00	
	V/F		300. 00	[Hz]	
			[Hz]		
P16. 24			0. 00	50. 00	
	V/F		300. 00	[Hz]	
			[Hz]		
P16. 46	VF	@			

---

P17. 46	VF @		0 347	80	[ 80] PI D_Bl ock[ 0] @
---------	------	--	-------	----	-------------------------

5. 9 AFE/

P24

P24. 4      DROOP      DROOP      0 200%

---

# 6

	MODBUS I D		Modbus	modbus
P2. 5	MODBUS			
P2. 6	MODBUS		5	57600BPS
P2. 7	MODBUS		1	RS485
P3. 0		1	1	
P3. 1		2	36	Dr oop
P3. 2		3	31	UP
P3. 3		4	32	DOWN
P3. 4		5	29	UP
P3. 5		6	30	DOWN
P3. 6		7	5	
P4. 01		2	1	
P4. 03		4	2	
P4. 04		5	12	
P8. 0			3	Modbus
P8. 10				

P24. 29		*	LC C	
P38. 0	PI D	1		
P38. 1		6		
P38. 2		3		
P38. 3		32	f{x, y}[1]	
P38. 4		31	f{x, y}[0]	
P38. 8		25	M\$	
P38. 12	1	75		
P38. 13	1	1	s	
P38. 15	1	0		
P38. 27		0		
P38. 31		0		
P38. 32		130		
P38. 33	PI D	0		
P38. 34	PI D	130		
P41. 12	K12	311		
P41. 40	{x, y}_x[0] @	157		
P41. 41	{x, y}_y[0] @	13	K[2]	
P41. 42	{x, y}[0] @	4	x/y	
P41. 43	{x, y}_x[1] @	195	-	
P41. 44	{x, y}_y[1] @	13	K[2]	
P41. 45	{x, y}[1] @	4	x/y	

# 7

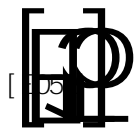
## 7.1

V01	SYS_NOT_RDY	(Ready)	
V02	NO_DRV_ENABLE	[ ]	P3
V03	LOCAL_EM	[ ]	P3
V04	REMOTE_EM	[ ]	P3
V06	OT	P7. 14( )	
V09	DP P/BALARM	DP	DP
V10	MODBUS MODBUS ALARM	Modbus	Modbus
V15	PARAMETER ERROR		
V27			
V28			
V29			

V80			
V81			
V82			
V83			

7.2

Σ.



[E053]

U IGBT  
ERR\_UT not reset

I GBT  
I GBT

[E054]

V IGBT  
ERR\_UT not reset

I GBT  
I GBT

[E055]

W IGBT  
ERR\_UT not reset

I GBT  
I GBT

[E100]

OV

---

[E113]

MP

[E11



---

8

1.

2.

3.

---

8.2

- 1.
- 2.

1. > 40  
< 95%
- 2.







1  
2  
3

Wuhan Guide Technology Co., Ltd.

6

430223

86-027-87927230

shfw@gdetec.com

www.gdetec.com

400-0077-570