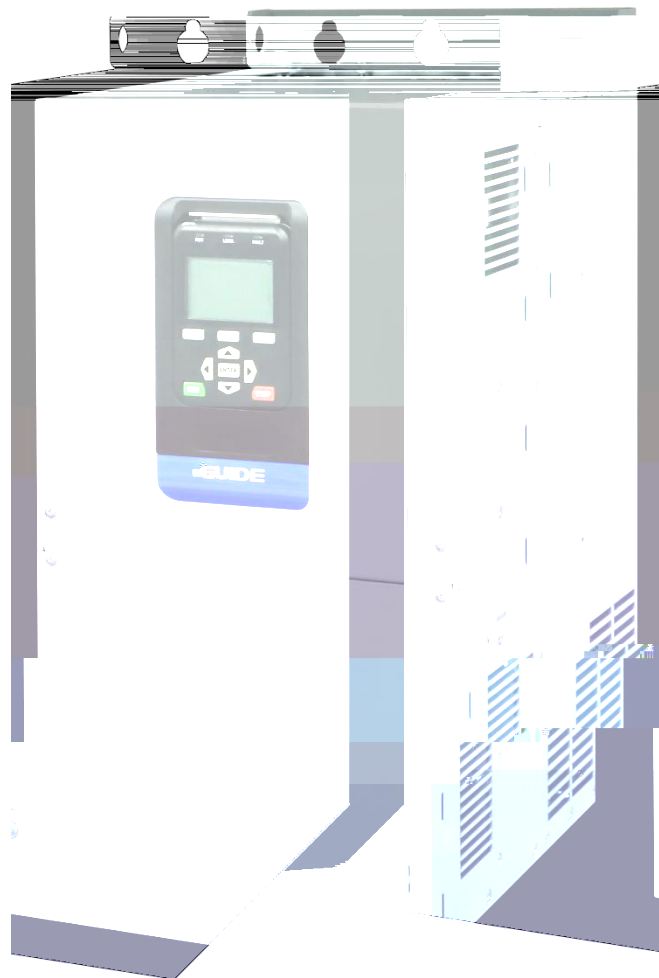


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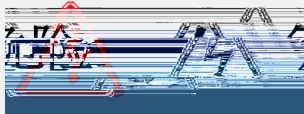
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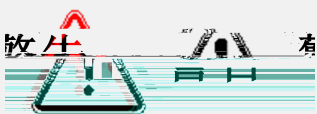
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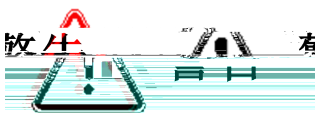
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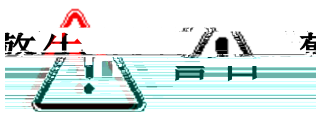
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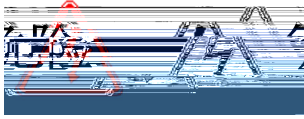
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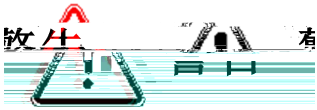
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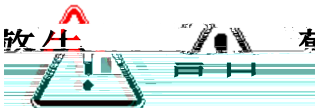
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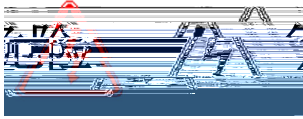
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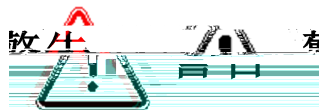
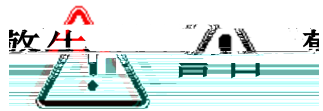


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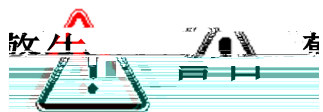


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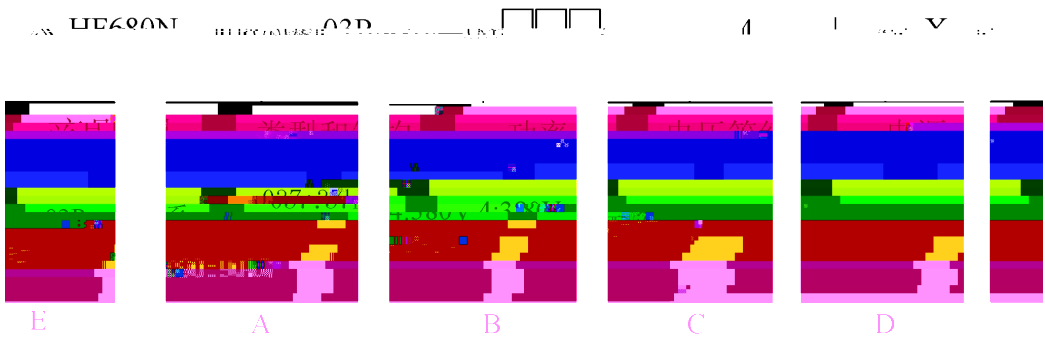
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1.1		
1.2		

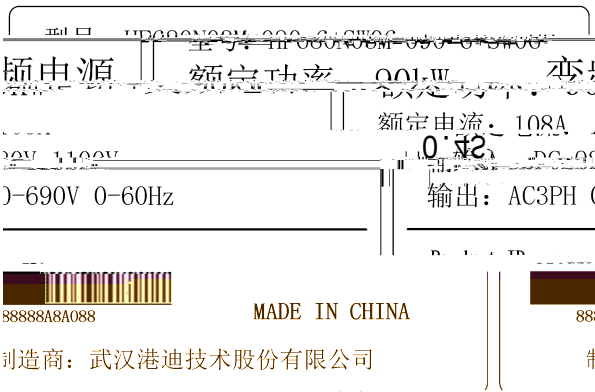
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1.1



A	HF680N
B	03P: LC 03M:
C	3 380V:37kW~45kW 690V:55kW~90kW
D	4: :380V 6: :690V
E	:

HF680N



HF680N03M-090-6+SW06 HF680N 90kW

690V 3PH 380V

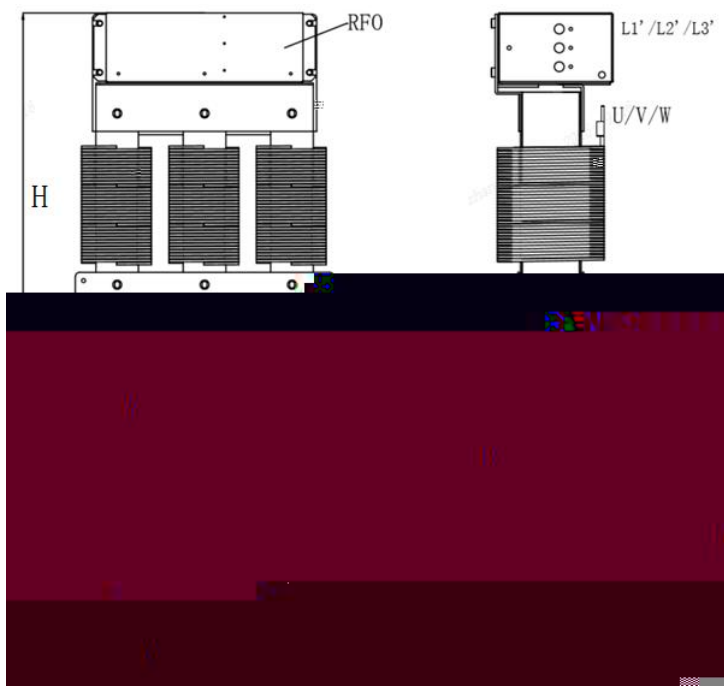
0-690V 0-60Hz 0-432V

1.1.1

					LC+EMI	
	VDC[V]	AC[V]	[A]	[kW]		
			380V			
HF680N03P-030-4	540-1100	0-432	60	30	HF680N03M-055-6+SW06	SFR-0060-1M10-0.4SA-3058-YT
HF680N03P-037-4	540-1100	0-432	80	37	HF680N03M-075-6+SW06	SFR-0080-0M85-0.4SA-3058-YT
HF680N03P-045-4						

HF680N03P-075-6	980-1100	0-690	86	75	HF680N03M-075-6+SW06	SFR-0115-1M30-0.7SA-3058-YT
HF680N03P-090-6	980-1100	0-690	108	90	HF680N03M-090-6+SW06	SFR-00115-1M30-0.7SA-3058-YT

1.1.2



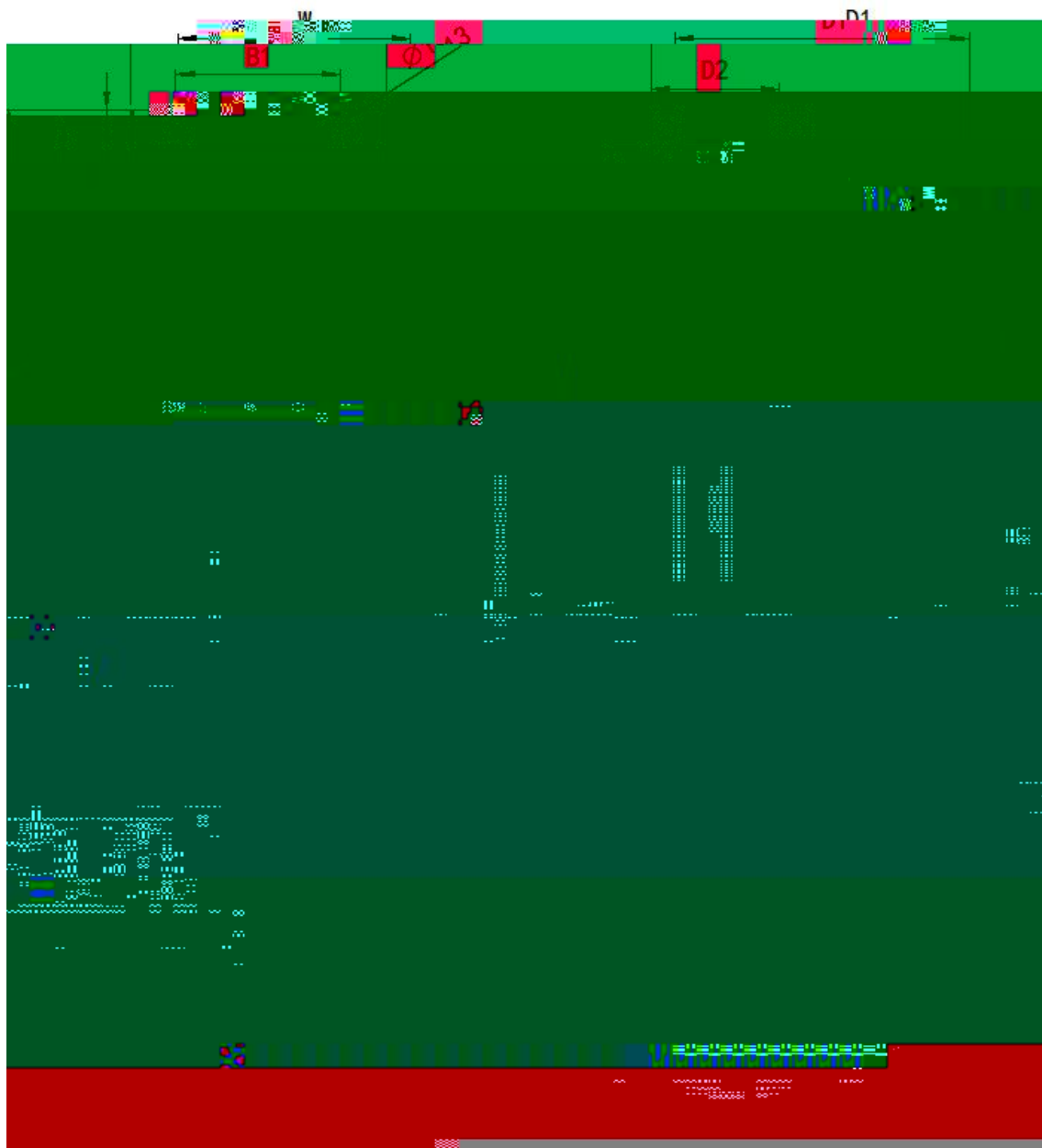
	(A)		mm H*W*D	* (mm) -C*D	Kg
380V					
SFR-0060-1M10-0.4SA-3058-YT	60		490*320*165	4* P 11*18 243*124	40
SFR-0080-0M85-0.4SA-3058-YT	80		515*320*165	4* P 11*18 243*124	45
SFR-0090-0M80-0.4SA-3058-YT	90		515*320*165	4* P 11*18 243*134	47
690V					
SFR-0075-2M00-0.7SA-3058-YT	75		620*385*250	4* P 11*18 243*200	85

SFR-0115-1M30-
0.7SA-3058-YT

115

800*435*25000

1.3



1.4

	mm					mm			8.8	kg
	H1	H2	W	D1	D2	A	B1	B2		
HF680N03M-55-6	580	508	280	350	140	553	180	180	4-M12	30
HF680N03M-75-6										
HF680N03M-90-6										

1.5

		DC 540-1100V
		0V~690V 5%
		5%
		0Hz~60Hz
		150% 60s
		1.0 kHz~6.0kHz
		100%
		4 RS485 4
		4 / AI1 AI2 4
		4
		4 4
		4 4 4 4 4
		5 4 2 0 +10V
		0mA/4mA 20mA
		3 1 2
		4 2 0 +10V
		0mA/4mA 20mA
		4 4 4 4 4
	LCD	

1.7

4

			
1.		/	1 2
		ш	4 4
		/	ш
2.		ш	
3.			
-	УЧУЧУ		
-	РЧН		
4.		10	ш
5.			ш
			
1.		ш	
			ш
2.		ш	
		ш	
3.			
	40Н	ш	
			ш

2.2

		Ш
LC		PWM
		Ш

2.3

		A	CEFR / mm ² 40%
380V	30kW	68	16
	37kW	86	16
	45kW	108	25
690V	55kW	68	16
	75kW	86	16
	90kW	108	25

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3

3.1

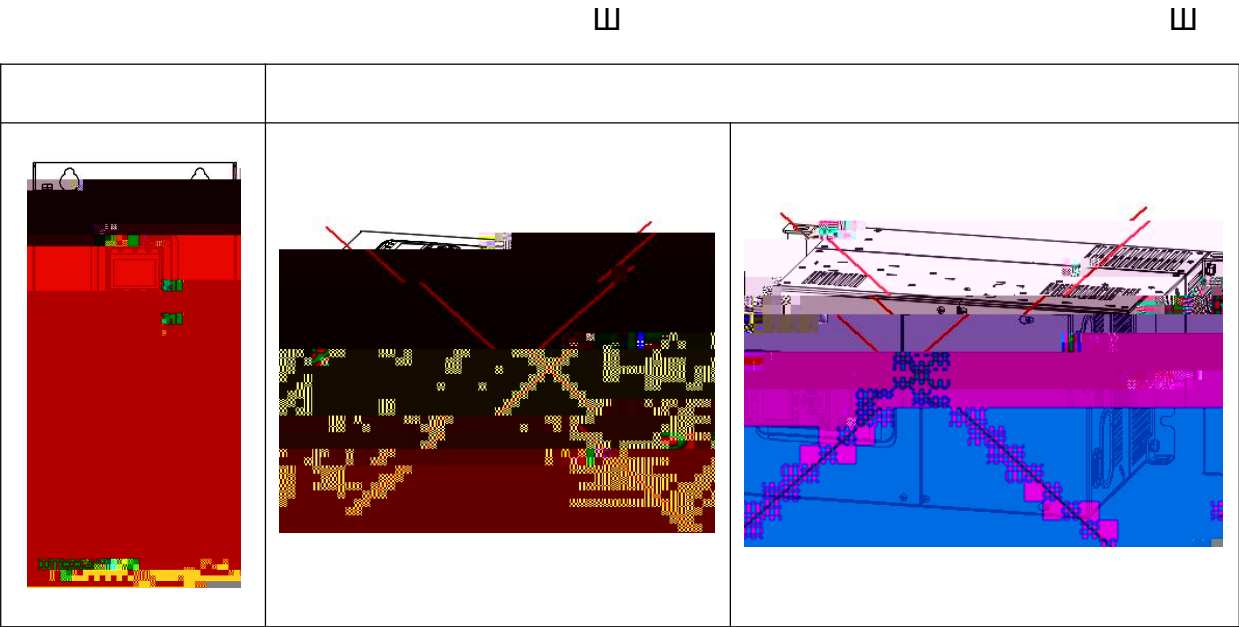
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	10cm Ч 5cm Ш Ш	Ч Ш 6 Ш	Ч Ч Ч Ш
	-10 Ć +40 Ć 40 Ć 1 Ć 1%Ш 50 Ć Ш -10 Ć Ш	-20 Ć +60 Ć 1 Ć / Ш	-20 Ć +60 Ć
	70 106 kPa 0.7 1.05	70 106 kPa 0.7 1.05	60 106 kPa 0.6 1.05
	10Hz Ů f Ů 57Hz 0.075mm 57Hz Ů f Ů 150Hz 9.8 m/s ²	10Hz Ů f Ů 57Hz 0.075mm 57Hz Ů f Ů 150Hz 9.8 m/s ²	II
		100m/s ² 11ms	100m/s ² 11ms
		250mm <100kg 100mm Ů 100kg Ш	250mm <100kg 100mm Ů 100kg Ш
	95%RH		

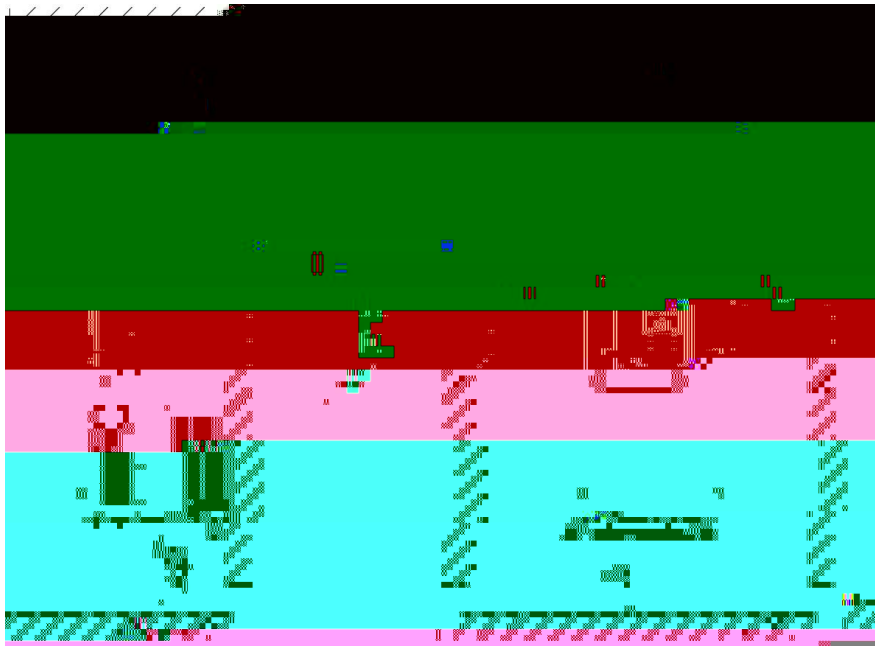
	1000 1%	Ш	1000 Ш	3000	100
	2				
		Ч	Ч Ш	Ч	Ш

3.2

3.2.1



3.2.2

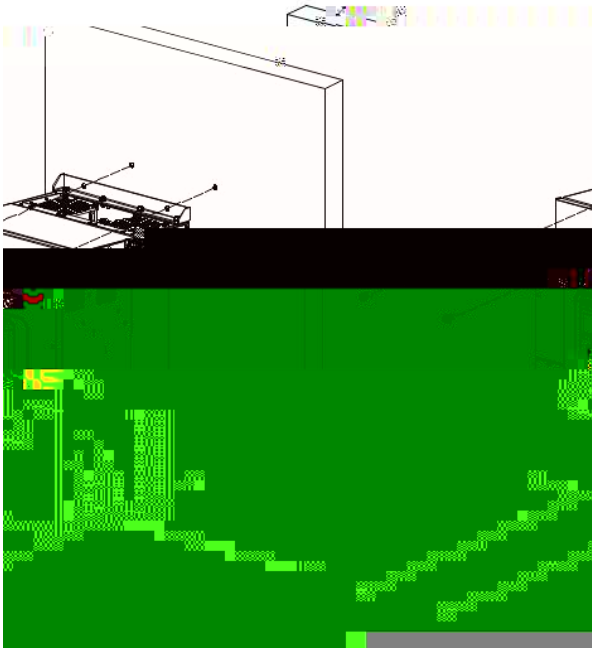


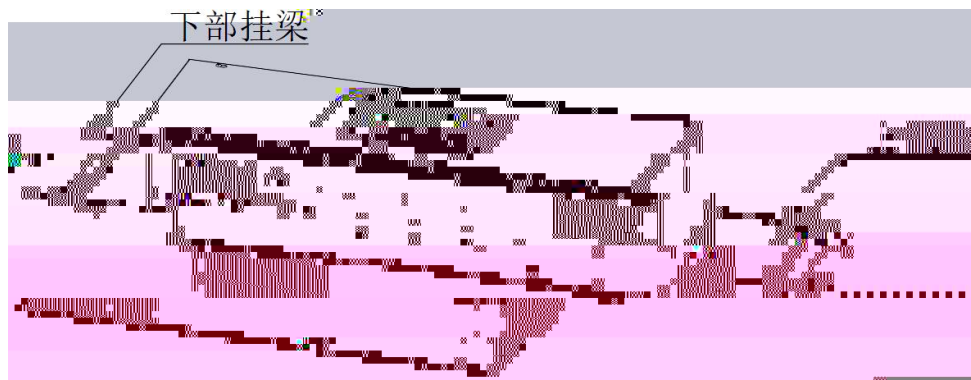
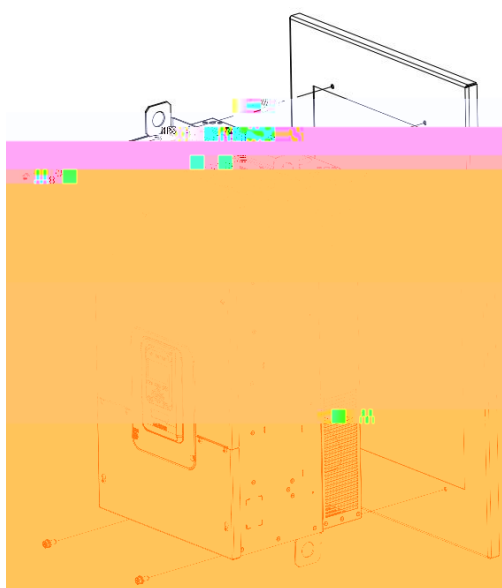
	(mm)	
55kW 90kW	A ũ 250	B ũ 50

3.2.3

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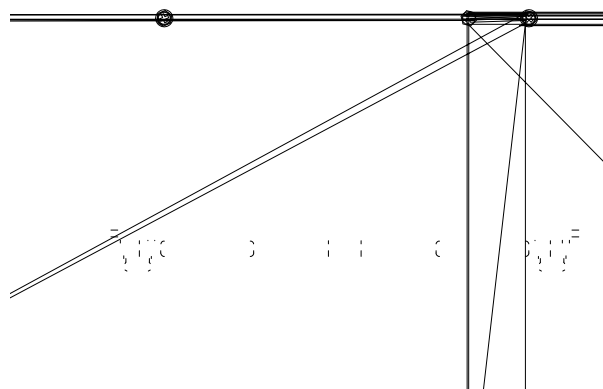


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3.2.4

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3.3.2

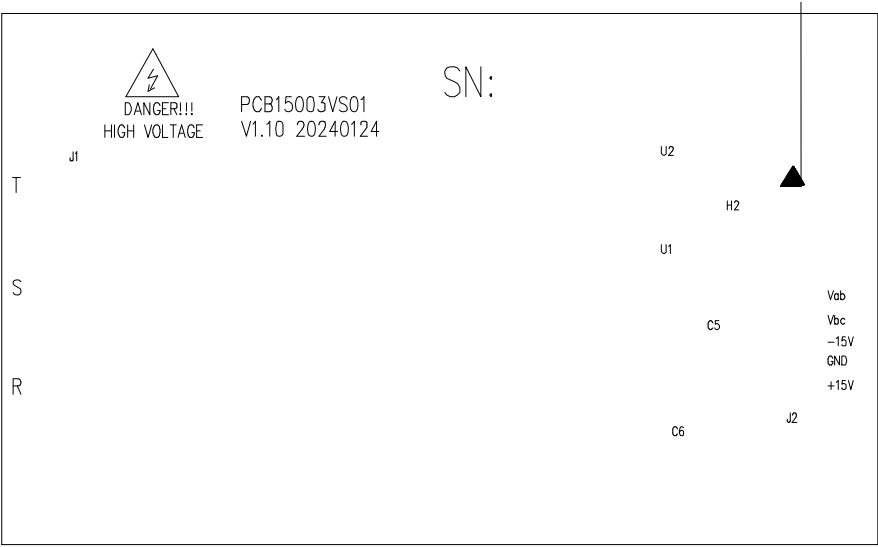


3.3.3

1	Ш	
2	Ш 10	
3	Ш 04V4W	
4	Ш	
5	Ш	
6	Ш LC LC	
7	Ш 4 4 10cm Ш 4	
8	0.75mm 50mШ	
9	10cm Ш	
10	Ш Ш	
11	Ш	

	J1	AI2	4
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3.3.5



4

P0			P16	V/F	1
P3		V/F	P17	V/F	2
P4		=n			

3

4.2

P3

P3.0	1	0	41	0
P3.1	2	0	41	0
P3.2	3	0	41	0
P3.3	4	0	41	0
P3.4	5	0	41	0
P3.5	6	0	41	0
P3.6				

4.3

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	32	
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	

0		
1		
2		ON
32		2s 32

4.4

P7

P7.4	[1]	1	0.0 300.0 [%]	235.0 [%]	
P7.5	[2]	2	0.0 300.0 [%]	235.0 [%]	
P7.12			600 1200 [V]	1250 [V]	
P7.13			300 900 [V]	800 [V]	

P7.61			0~600V	350V	
P7.62			0~720V	465V	
P7.67			0~600V	330V	
P7.68			0~720V	485V	
P7.90			0~65 Hz	48 Hz	
P7.91			0~65 Hz	52 Hz	
P7.92			0~65 Hz	45 Hz	
P7.93			0~65 Hz	55 Hz	
P7.94		[0] [1]	0~1	1	

4.5 1 P8

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

4.7 V/F P16

P17.3			320 460	380	
			[V]	[V]	
P17.4			0.0 6500.0		
			[A]	[A]	
P17.11		[0] V/F	0 2	0	г 0 д
P17.12			1.00 10.00	3.00	
			[kHz]	[kHz]	
		[0] V/F			
		[1] V/F			
P17.14	V/F	[2]	0 5	0	
		[3]			[4] г 5 д
		г 4 д			
		г 5 д			
P17.23					

P24.10	DROOP	DROOP	0~15V	5V	
P24.11			0~5V	1V	
P24.12	KP	KP	0~1000%	100	
P24.13	KI	KI	0~1000%	100	
P24.18			5~100ms	10ms	
P24.19		0	0~60s	5s	
P24.20		0	0~60s	5s	
P24.23		0	0~10%	5%	100%
P24.29		LC C	0~6500mF	0	

5

14

MODBUS

P2.5	MODBUS ID	Modbus	modbus
P2.6	MODBUS	5	57600BPS
P2.7	MODBUS	1	RS485
P3.0	1	1	
P3.1	2	36	Droop
P3.2	3"	31	UP
P3.3	4	32	DOWN
P3.4	5	29	UP
P3.5	6	30	DOWN
P3.6	7	31	
P4.01	2	1	
P4.03 ^Q	4	32	
P4.04	5	32	
P8.0		3	Modbus
P8.10		5	Modbus
P16.14	V/F	5	
P16.24		52	HZ
P24.4	DROOP	100	%
P24.5	DROOP	20	ms
P24.6	DROOP	0.5	HZ

9
B B B B B
V P2 100%
29 Ш

b

W03	LOCAL_EM	]	P3
W04	REMOTE_EM	]	P3
W06	OT	P7.14()	
W09	DP P/BALARM	DP	DP
W10	MODBUS MODBUS ALARM	Modbus	Modbus
W15	PARAMETER ERROR		
W27			
W28			
W29			
W30			
W31			
W32			
W33			

5.2

III

[E052]	U IGBT ERR_UT not reset	IGBT IGBT
[E054]	V IGBT ERR_UT not reset	IGBT IGBT
[E055]	W IGBT ERR_UT not reset	IGBT IGBT
[E100]	OV	
[E105]	UV	P7.13()
[E110]	OC	P7.4()
[E120]	IGBT OT	
[E140]	LineUV	
[E145]		
[E147]		
[E148]		
[E149]		

[E152]	U	IGBT	IGBT
		PDP[U]	IGBT
[E154]	V	IGBT	IGBT
		PDP[V]	IGBT
[E155]	W	IGBT	IGBT
		PDP[W]	IGBT
[E156]		Hardware OC	
[E180]	DP	BP Š	
		P/B ERROR	
[E181/00]			

BB

1 1b ab w „ Q !

WRP OR

5.3

	ON	ON

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1.

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CMOS

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6.2

	1. Ч 2. Ч	1. > 40 Н < 95% 2. Ч
	1. 2.	1. 2.
	1. Ч 2. 3. Ч	1. Ч 2. Ч 3.
Ч	1. 2.	1. 2.

6.3

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	Ч	
	Ч	
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PCB	Ч	

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(400-0077-570) Ш

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1 40 Ñ

2 80%

3 24 / Ш

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Wuhan Guide Technology Co.,Ltd.