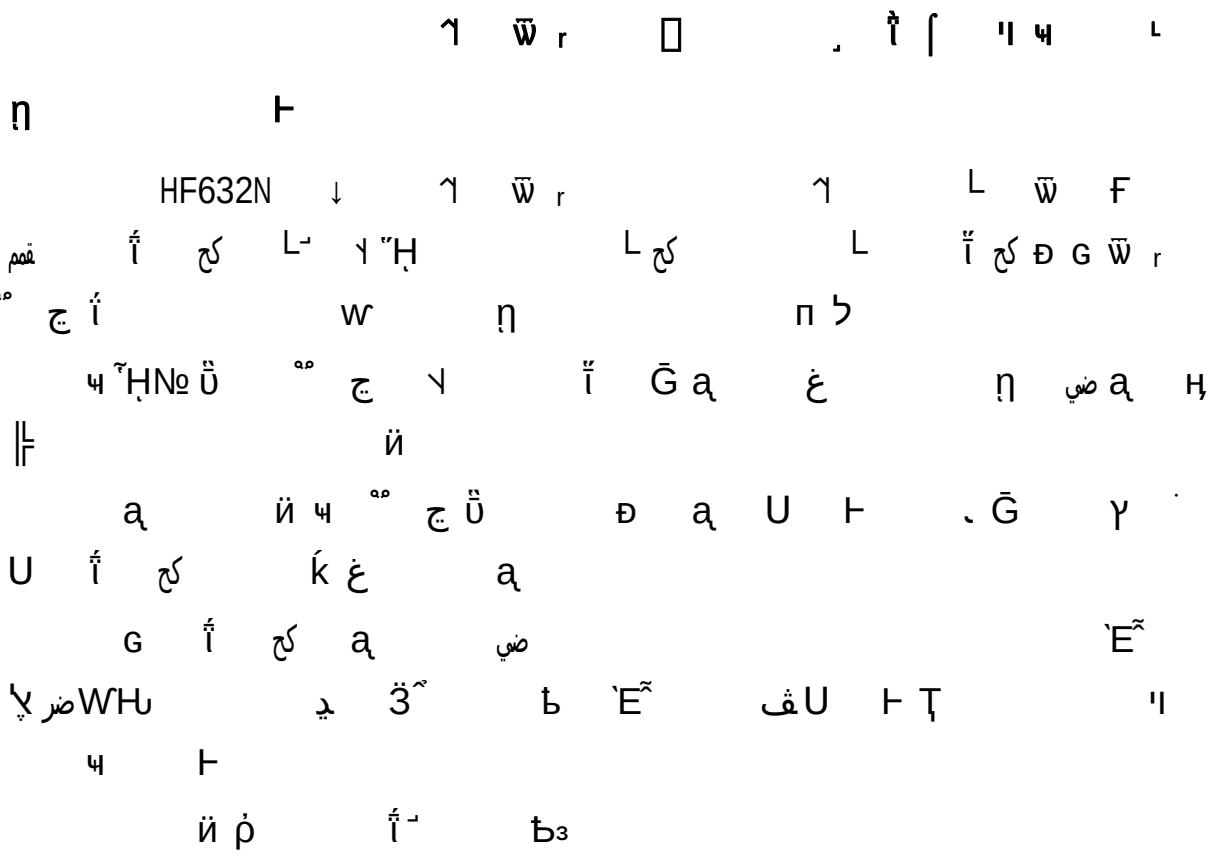


5.2.1 ˜ 44
5.2.2 Ḡ ă 45
5.2.3 ˩ ᓀ ˩ 47
5.2.4 ˩ ᓀ Ḡ 49
5.2.5 w 50
5.2.6 w w 51
5.3 ˥ w ˥ 52
Ɛ ĭ 54
6.1 ɒ ɳ 54
6.2 ɳ 54
A ɯ ɒ 57
A.1 ṗ ƀ˜ 58
A.2 ƀ 65
A.3 ɯ 66
A.4 ᴅ ᓀ 67
A.5 ᓀ ˥ 70
A.6 ˥ ɒ 72
A.7 ˩ 77
A.8 ˩ 79
A.9 ˩ ĭ 80
B w ƀ˜ ˍ ≢ غ ɯ ƀ 81
B.1 w 81
B.2 : 82
B.3 ƀ ƨ ƀ 84
B.4 ˊY 85
B.5 – 88
B.6 ᒪ 89
B.7 ɯ № 89

₩ ŋ ʜʊ

ʜ ╠ ӥ

1.1

ą Ψ ↙ ʊ̈ ˜ ¬ ʜ`

↙



ą Ψ ↙ ʊ̈ ˜ ¬ Ţ ʜ ɔ̧ɯ

1.2 ȝ»

(1) ˚˚ ҷ ч ˥ F ₩ r G ȝ̂̂ ˊ ˩ ˩

(2) Ь˜ ƀ ч “ Å ” ą

(3) Ь ƀ ч ˩˗ ą

(4) ˚˚ ҷ ˙˙ Ɣ Й̨ Ɒ ɛ ‰

Ɒ	Ɒ O	˙˙ ‰
LVD Ɒ	2014/35/EU	EN 61800-5-1
EMC Ɒ	2014/30/EU	EN 61800-3

1.3 Hυ

ĩ ҁ ĭ ì Ð

ĩ ҁ ṗ ض ˜ Ü

ĩ ҁ‘ ˩ ج ض ˜ ˚˚ r

≠

ĩ ҁ ƀ ч ȝ ҷ

ʜ ۥ ج Ḥ

2.1

U ŭ ₣ ٦ ₩ r ɣ Ѝ ɜ

1. Ţ ĸ v ڜ Ð ڜ h r H
2. ´ Ţ ѝ ɇ Ḡ ќ ٧
3. ۥ ج ۥ ج
4. ϡ Ð ∫ Ð

ŭ ٦ ₩ r Ð ڜ ضر ڍ

2.2 ۥ ج ۔ ۔ Ĭ

٦ ₩ r ۔ ۔ Ɔ ɥ

ۥ ج ۔ ۔

A HF632N ٦ ₩

HF632N ↓ ヿ W r ᵴ ɣ 37kW ч p

型号：HF632N-037-4-C

2.3 ◌ ↓ ◌ Ь

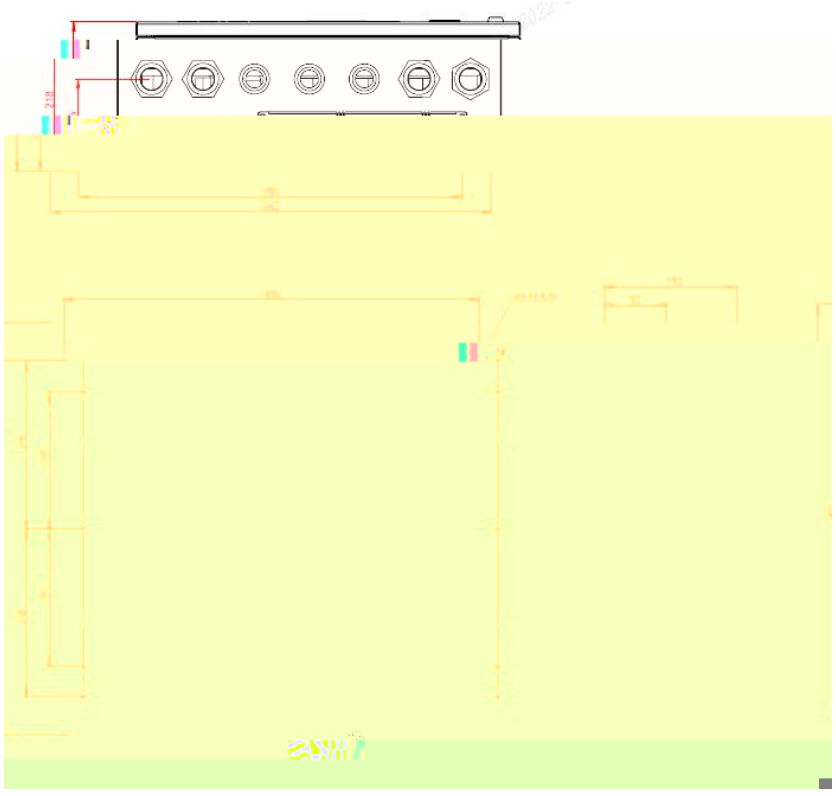
HF632N ヿ W r ◌ ◌ W

◌	◌ [A]	[kW]	(kg)
HF632N-037-4-C	80	37	22.5
HF632N-037-4-C+S	80	37	23
HF632N-037-4-E	80	37	40.5
HF632N-037-4-E+S	80	37	41
HF632N-045-4-C	95	45	22.5
HF632N-045-4-C+S	95	45	23

2.4



HF632N-037-4-C



HF632N-037-4-E

2.5ˆˆ ج

~	~ ا	؟ؤ 380V˙ 480V
		50/60Hz
	¨Ḥ ا ⌐	-15%˙ +10%
	¨Ḥ ⌐	Ḥ˙ ¨Ḥ ج ش fLN ± 2Ḥ ب G ل ش ± 4 Ḥ ب Ḥ˙ ≤ 2Ḥ ب fLN/s
₣	₣ ا ج	0˙ ~ ا
	₣ ا ب	ą ب Й̨ ض ق ₣ ج ṗ ¸ ' Й̨ ₣؟ ا ب ب 1Ḥ ب
	₣ ج	0˙ 300Hz
L	ب	L L
		1kHz˙ 10kHz غ ً
	№	0.01Hz x0.1%
	L	L (VC) L (SVC) V/F L
	V/F L	ققم ققم ققم
		300Hz ш غ
	Ω⌐	0Hz/200%(VC غ SVC) 0.8Hz/150%(V/F)
	ج	1:500(SVC) 1:1000(VC)
		±0.02% (VC) ±0.2% (SVC) ±0.5% (V/F)
	ʒ	5 № ¨Ḥ 150% 1 № 200% 5
	ẽ	⌐ ẽ w
	∀ ⋮	Ꮋ
	⌐ ا	⌐ ⌐ Ḡ ₣ ا
	L⌐	Ω⌐ L⌐ غ Å L⌐
Ғ w	Ḡ	90% 105% Ḡ
	٦	٦ ƀ
	L⌐ Ḡ	L⌐ ق U ĩ ق ⌐ ₣ ₣ Å □
¬	ƀ LCD	ً ˜ ă Ä ً ₣ ₣ ا ₣ ă Θ ĩ ă ش ṗ w Θ Θ ا β Ţ
Ḡ w		Ḡ ا Ḡ ا Ḡ Ḡ Ḡ

ą شي		Ь ỉ ۏ غ
		~
		۷ G 1000 1000 شي ۷ 100 ۷ 1% ۷ ۱ ỉ ₣ 3000 h ۸ ۳
		-10 · +40 40 ą ۱ 1 1% 50 h ۸ ۳ ۷ G -10 ۷ ↑ ۷
		G 95%RH o Ь h ۸ ۳
	Ũ	Ũ -20 · +60 G Ũ ۸ ۸ ỉ 10-30 № ą Ḥ
ỉ	w غج	>0.80
		96%
	L ۱ Ḥ	ṗ
	L	
		IP20
	' ۱	L '
		2
	كل	≤ 80db

2.6 ہ ہ ج

1 ہ ہ ج ỉ ك ۱ L ۱ Ḥ L ۱ Ḥ شج

G W r ۱ F قمم

2 ỉ L ك Ḡ w ۱ Å U W ṗ L ك ₣

Ь ۸ Й ۱ ۔ ۸ Å ▯ ü ₣ L

۔ ك Ḥ ~ Ь ۸ Й ⌡ ض ۸ ضي تخم L ك

ۏ ۷ ↻ W Ḡ w

3 L F ʒ Ḡ “ ”

غ “ ‖ ” Å

4 ỉ w ỉ h Ь ш

└ Ạ κ ν

5 ṗ └ ڃ Ḡ ȳ └ ڃ

6 ڀ β Ꮒ Ɒ Ḥ ۜ ښ LED ї Ӄ ۷ Ќ Ḃ Ḃ ɢ ڤ U

ї ⋮ Ⱶ

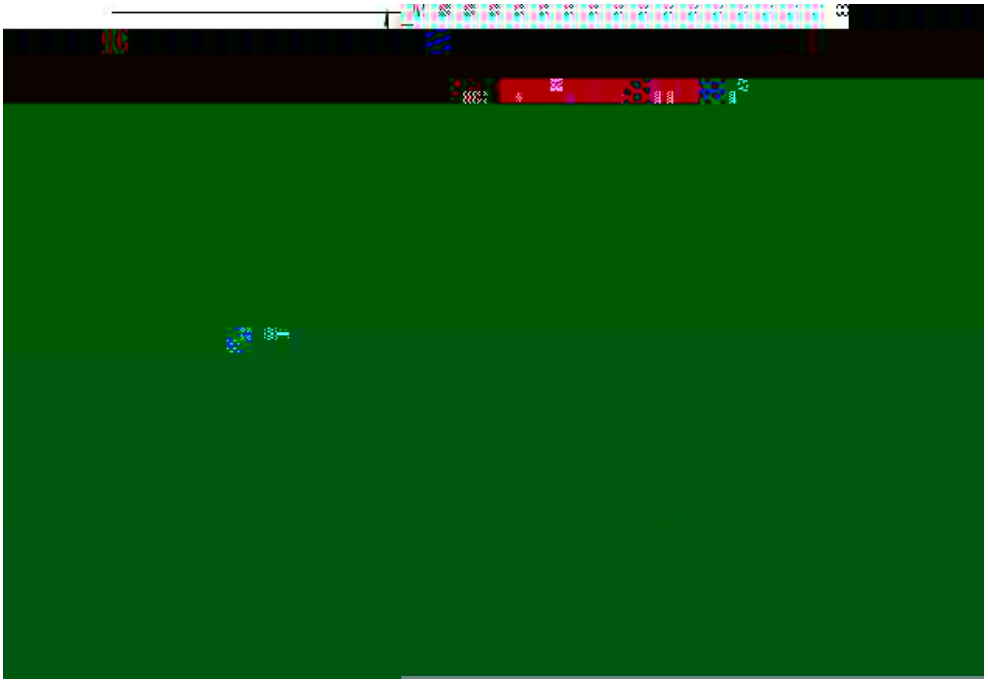
ـ ـ ـ

3.2

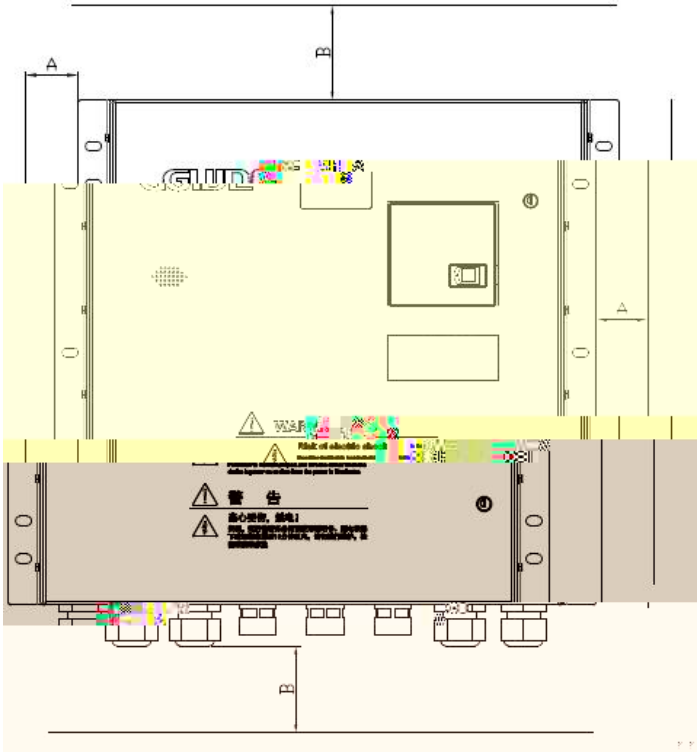
- ممم ضي ṗ ғ ṗ
- -10 ˙ +40 ضي مخ+40 ˙ +50 ң ˆ1
  ₮ ⋮ 2%
- ѽ ɢ 95%RH Ь¨Ң o
- Ⓟ˜ ضي ⁝
- ѽ
- r ɣ r
- ї
- 1000 ү Й, 1000 شي ѵ 100 ү 1%
  ү ₮ ˆ ч 3000
  شي ’ ذ أ ڪ ą ث

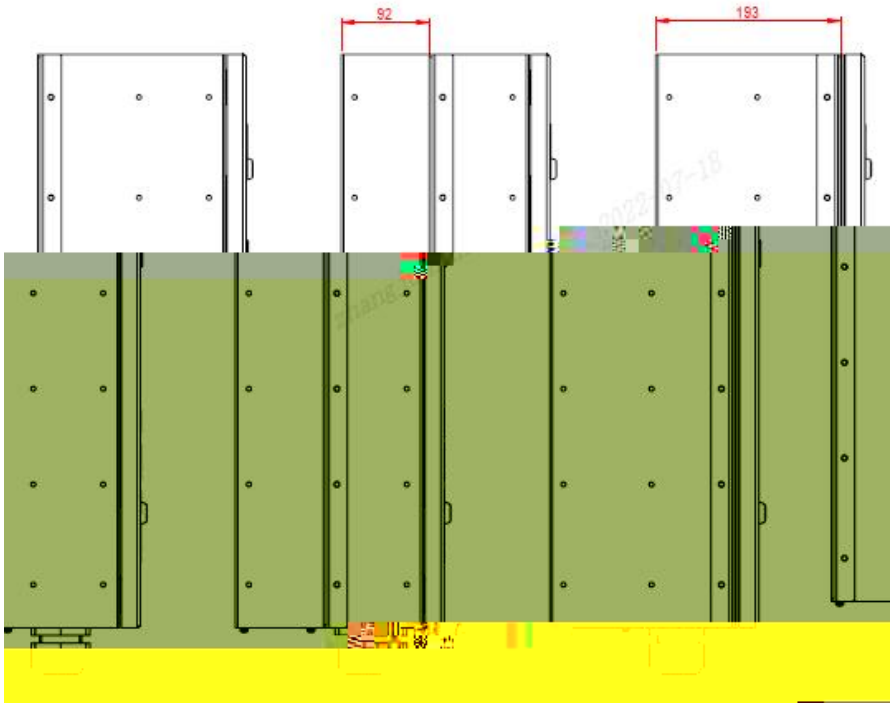
3.3 ⁄¤

:



~



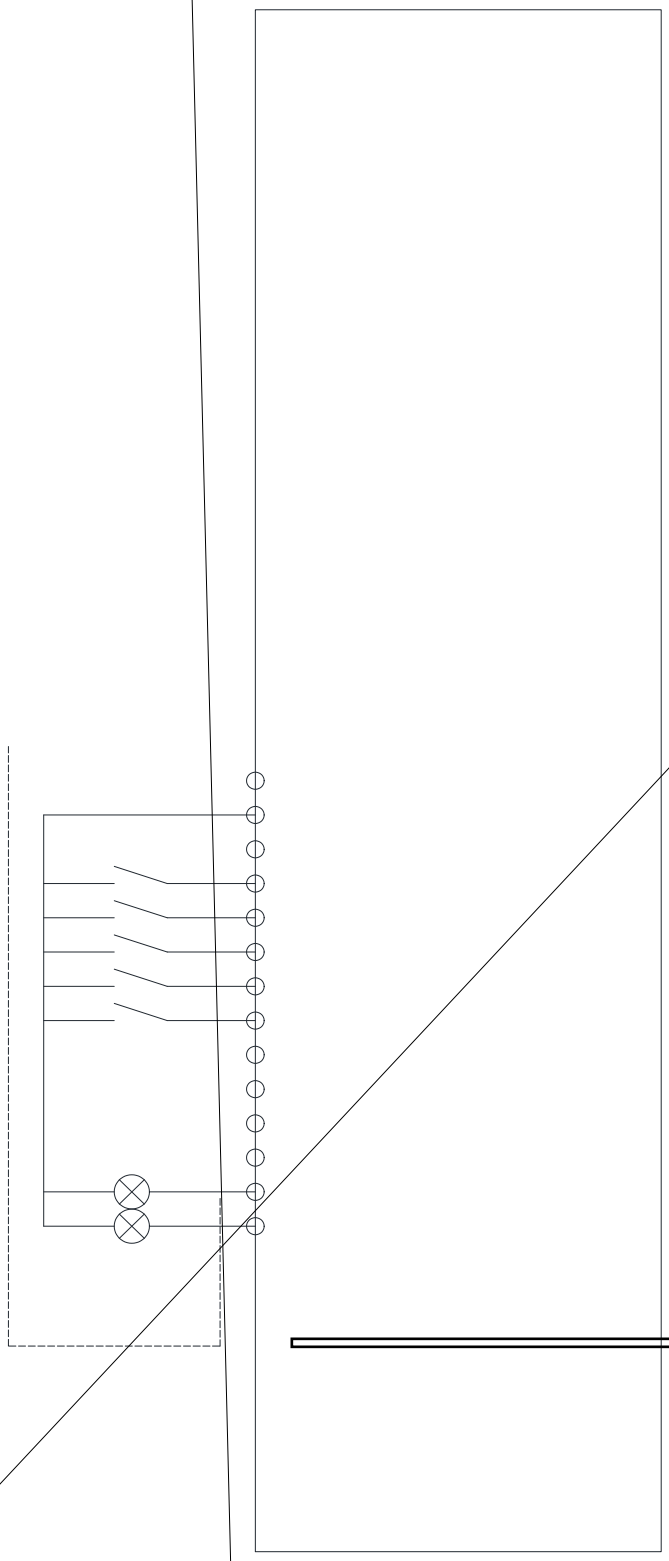


ṗ ٧ ~ 92MM ŋ ~ 193MM

A ≥ 100mm	B ≥ 200mm

~ ŋ غ ٧ β Ḥ يحضي r

3.5 L ﻧﺒ ﻳﺪ



3.6

1 Ӣ

1 ڪ ٦

1 W̃ r h ڪ

2 L

3 ⁚ ١ ٦ضي Ӈ ڪ ṗ ⁚ AC380~480V 50/60Hz

4 ą PG ح ١ PG ح ١ Ь ح ٦

5 D¬ Ь ƀ ⁚ ٦ ¬ ƀ

⌠ D¬ Ӈ; h ¬ h ⌠ D¬

h Ӣ h ¬ ↕ h ĭ

2 W̃ r β ҏ Ӈ˝

ضي U ˜ ٦ ١ ĭ ė β ˜ ⁚

β Ӣ β ⁚ ⁞ β Ӣ ⁞ β Ŭ β ˜ β ˜ ч

⁚

٦ LCD ƀ ҏ ٦ ↕ Ψ

ҏ Ƹ¬ ҏ ṗ ė ~ Ӈ˝

3 ă̋

ш Ӣ LCD ˜ ă̋

w	O		ẏ
P16.2	w	ă̋ w	3 ɷ ч⁚ ɷ w Ӈ ė
P16.3	١	ă̋ ١	

P16.4	ă	3 ѡ Ҟ ѡ Ң ҽ
P16.5	ă	
P16.6	ă	
P16.7	120 × P16.5 / P16.6 ŭ	
P16.9	120 × P16.5 / P16.7	
P16.11	[0]V/F L [1] [2]	ղ ҁ Ҟ L [1] ҁ Ҟ [2]
P20.16	h	

P4.6	₣ 7	w ˜ ₣	[2] ₣
P8.16	₰ 1	ɾ Å ∫ P8.15 ṿ ₰ ۷ β	3
P8.35	⋮ 1	ɾ P8.34 ṿ ∫ Å ⋮ ۷ β	2
P8.0	Ω⌐	[0] ˜ [1] ƀ [2]DP [3]MODBUS [4] w ﺷﺒ	0
P8.10		[0]I/O [1] ˜ 1 [2] ˜ 2 [3] ƀ [4]DP [5]MODBUS [6] w ﺷﺒ	0
P12.2	1	۲ β غ ⋮ β	15Hz
P12.3	2	β	50 Hz
P12.22	h ṿ		0.1
P12.23	ĭ h ṿ		0
P12.24	h		30
P12.25	ĭ h		30
P12.29	ĭ h	ч ২ Й	0.4
P7.0	└ ṿ [1]	0~300[%]	180%
P7.4	Ḡ [1]	0~300[%]	235%
P7.19	[1]	100.0˙ 720.0[%]	120%

4 ă̈ ӟ

└ └ └ ӟ ү Й

ӟ ⌐ ă̈

1 └

P16.11 ṿ ч [1] [2] ↕ ч └ ӟ ⌐

ä ė ˥ ä

2 ä

ض L Й ä ψ γ ï ă

LOCAL/REMOTE ч LOCAL ض ضw Ţ Ţ ä

U ä ä Ţ “ ä ض ” ä

U “ ä ”

3 ˥ ä

ض L Й ˥ ä ˥ ä ņ № ă ų

₮ ε ă ų ض˥ ä ң ╠ L Й ä ŵ ώ

LOCAL/REMOTE ч REMOTE ضw Ţ Ţ “˥

ä ” U ٦ Ь ˜ ƀ ṗ ƀ˜ ŵ ٦

ĭ ک ч 3.75HZ ٦ ψ ĭ ک ɢ˥ ä

Ţ ä Ţ LCD ψ “˥ ä ض ” ä U “˥

ä ”

4 ˥ ä

ض L Й ˥ ä U ғ ⊢ ض Ь ’ Й

˥ ä ˥ ä Ь 50%

˥ ä₇ ˥ ņ ˥ ä U ˥ ą ų

L˜ γ L ↕ ˥ ä

5

٦ ṗ L Ḡ ﻍ ﻱ β Ң˜ U ˜

ƀ ˥ ү U˜ Й

6 ‰

‰ ă 5.2.5

ضه ъ

4.1 ъ

4.2 Ъ

ν Ь ч ё Й, β ч Ц:; β ч ∫ Й, β ч η Й,

ц Й, β ч ж ∫:; β ч ▲:; З^ γ :; Й, ѵ ⋮ ν

ν н U ^ ENTER ă ą /RESET ¬ β

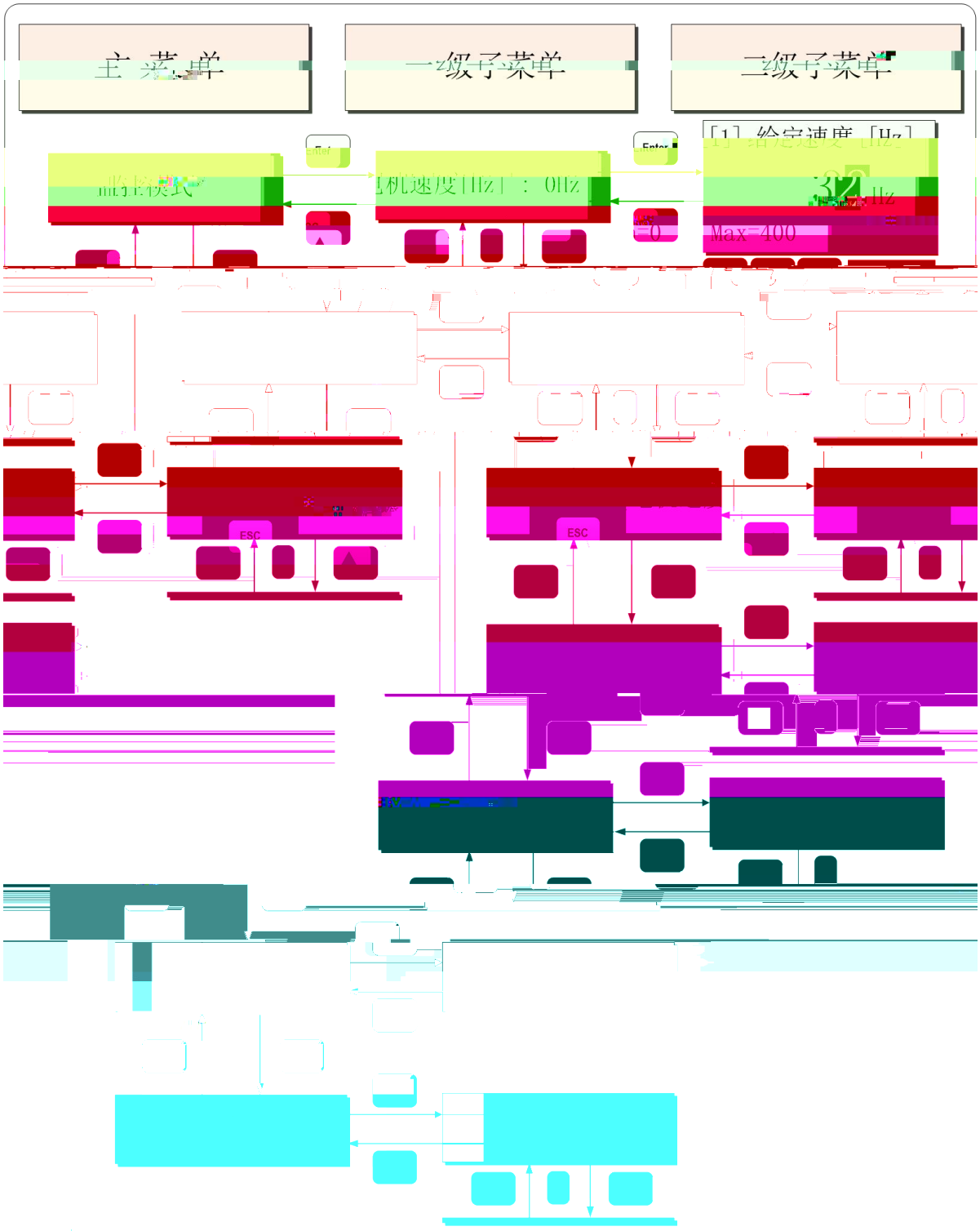
ѽ ¬ ∫ Ψ ¬ ж ˇ Ъ ĭ ҁ ą RUN ё

STOP Ω¬ ё Å ѽ ă ғ Ⓟ ∫ ض FWD/REV L

ĭ LOCAL/REMOTE Ⓟ ض/

4.3 Ь ч ъ

	№	ѡ
Drive Monitor	Speed Power	ĭ ҁ ĭ I/O Н^
Parameter Edit ă	P0 ~ P49	^ ĭ ă ν
Reference Set ă ν	Global Ref	L ν
Function Set ѡ	Tuning I/II/III Parameter Init. Clear Faults System reset Backup/Restore Para	ӟ ¬ ¬ ă Δ . β
Error Event Log	Error Log	҂ ӥ ӥ
Security ŋ	Security Edit	ŋ ≠ Access Level
Display Edit	Display Edit	ч

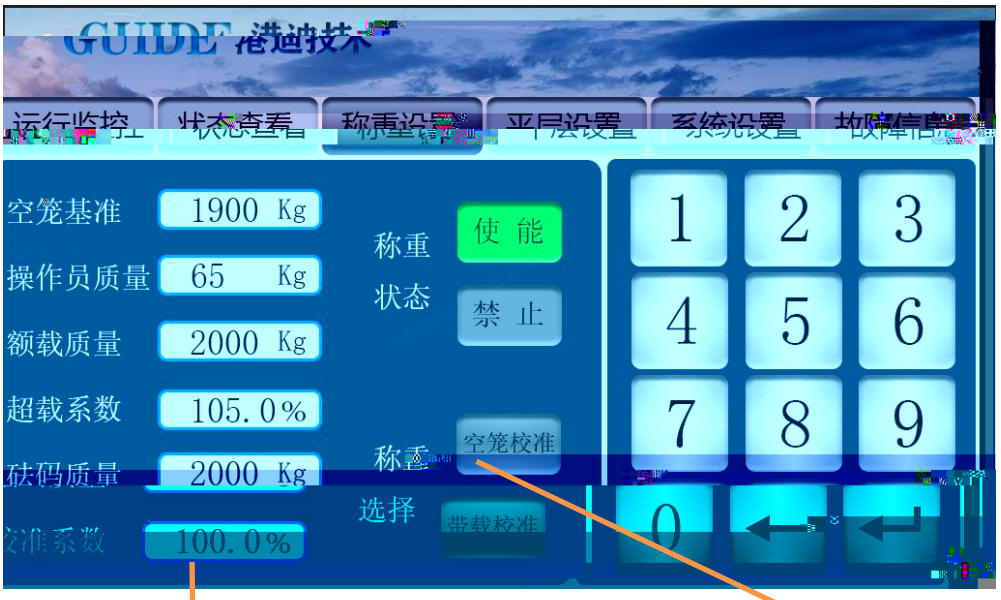

主菜单
一级子菜单
二级子菜单
Enter
Enter
ESC
ESC
Max=400

4.4.2



1. ╠ Ḥ β ė ƀ̃ Ḥ ɣ ǐ ǐ ȡ ₹ Ḥ

4.4.3

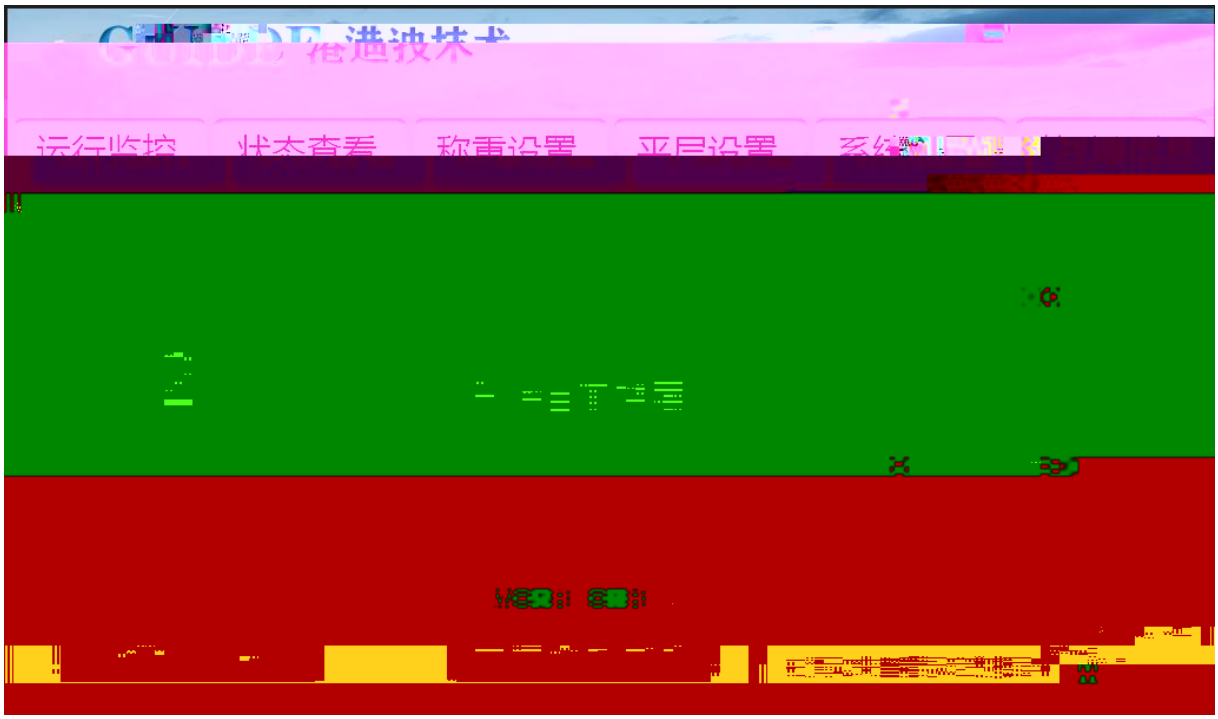


1. ~ ~ 1229

ɷ ṗ ċẇ ˚ ḱ Ɗ ρ
ψ ≠ ₹ ƀ ψ
ḱ ẏ ~ Ӈ ɤ ψ ḱ

‰ ۱ ‰ ė “ ‰
“ ۱ ɢ Uˆ
‰ ψ

4.4.4



1. ~ ~

2. “ + ” ɹ “ - ” ╠ ˆ ضي -5~90 ң ث O ν ṗ Ψ

╠ ν

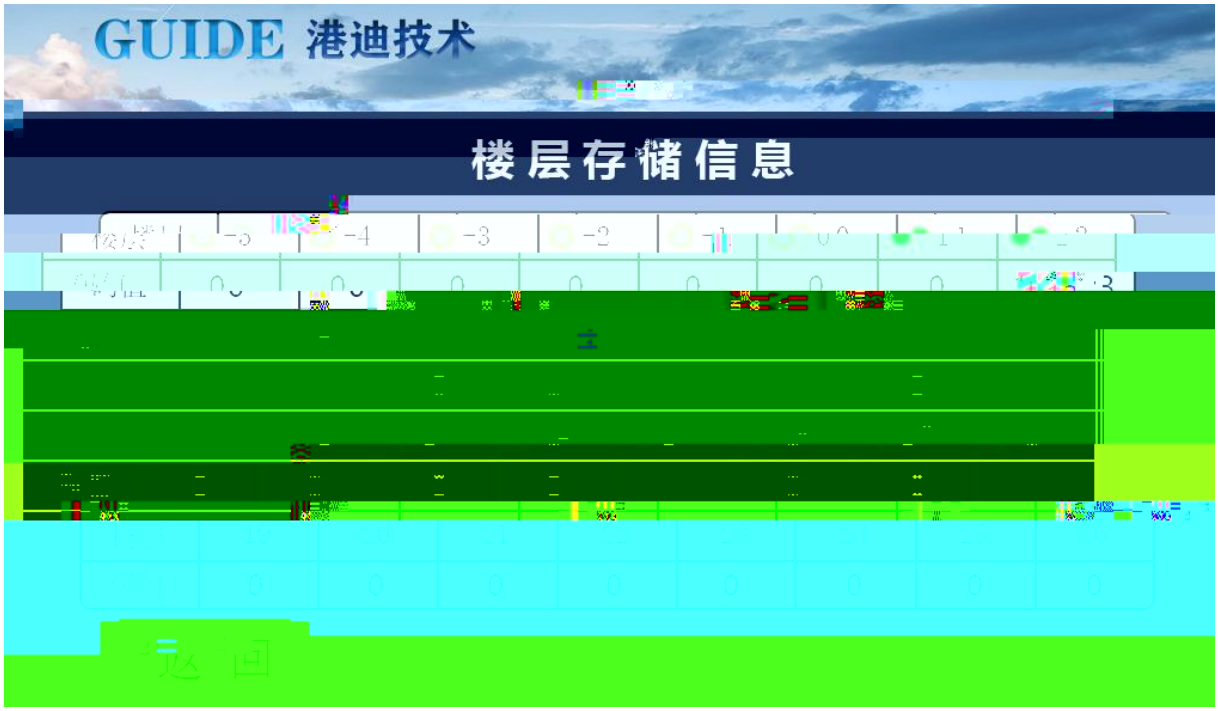
3. ˆ ˫ ƀ ٦ U Ӈ “ Ḡ “ ”

Ḡ ” ↕ ” – ╠ “ ɹ ” – “ˆ ɣ – Ь

/ – Uˆ ɣ Ⅾ ρ ” Ң “ ٹ /

–

4. Ψ تم Ӈ Ӟ Ψ ν



4.4.5



4.4.6 Ḥ


GUIDE 港迪技术
运行监控
状态查看
称重设置
平层设置
系统设置
故障信息
PARAMETER ERRO
故障原因及措施
●确认参数设置是否符合要求

1. ヿ ₹





Л w

5.1 ǎ

5.1.1 ǎ L P0

w	O				
P0.0	Δ .	[0] γ ǎ Δ . [1] Ḡ γ Ḡ ǎ Δ .	0˙ 1	0	
P0.1	Δ . w	ǐ ڳ w	0˙ 27	14	
P0.3	Δ .	[0]50HZ [1]60HZ	0˙ 1	0	
P0.4		ǎ Δ .			

5.1.2 ﻡ P2

w	O				
P2.7	MODBUS ﻡ	ﻡ	0˙ 1	0	G ٰ 1 ٰ RS485

5.1.3 ~ P3

w	O				
P3.0	~ 1	ˆ w	0˙ 32	0	
P3.1	~ 2	ˆ w	0˙ 32	0	
P3.2	~ 3	ˆ w	0˙ 32	0	
P3.3	~ 4	ˆ w	0˙ 32	0	
P3.4	~ 5	ˆ w	0˙ 32	0	

P3.5	~	6	~	w	0	32	0	G
P3.6	~	7	~	w	0	32	0	^I

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3.6

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5.1.4 ₹ P4

w	O					›o	¸
P4.0	₹	1	w	˜	₹	0˙ 64	0
P4.1	₹						

P7.65 L- Ω- Ẓ ۱ L- Ω- ۱ Ẓ ṿ -25·

	[0]I/O
	[1] ~ 1
	[2] ~ 2
P8.10	[3] ƀ
	[4]DP
	[5]MODBUS
	[6] w شج

>

P8.30	∀ 8	ς P8.27 ν ⌠ P8.29 ν ∀	0.0˙ 300.0 [s]	10.00 [s]	
P8.32	⁞ L	[0] [1]PROFIBUS [2]MODBUS [3] ض	0˙ 3	0	
P8.33	⁞ Ồ		0.1˙ 10.0	1.0	
P8.34	⁞ Ⅵ1	₩ ⍵ ⁞	0.0˙ 300.0 [%]	100.0 [%]	5.2
P8.35	⁞ 1	ς P8.34 ν ⌠ Å ⁞	0.0˙ 300.0 [s]	3.00 [s]	5.2
P8.36	⁞ Ⅵ2	ʜ ⍵ ⁞	0.0˙ 300.0 [%]	200.0 [%]	
P8.37	⁞ 2	ς P8.34 ν ⌠ P8.36 ν ⁞	0.0˙ 300.0 [s]	4.00 [s]	
P8.38	⁞ Ⅵ3	⍵ ⁞	0.0˙ 300.0 [%]	240.0 [%]	
P8.39	⁞ 3	ς P8.36 ν ⌠ P8.38 ν ⁞	0.0˙ 300.0 [s]	7.00 [s]	
P8.40	⁞ Ⅵ4	ض ⍵ ⁞	0.0˙ 300.0 [%]	300.0 [%]	
P8.41	⁞ 4	ς P8.38 ν ⌠ P8.40 ν ⁞	0.0˙ 300.0 [s]	10.00 [s]	
P8.42	⁞ Ⅵ5	⅄ ⍵ ⁞	0.0˙ 300.0 [%]	300.0 [%]	
P8.43	⁞ 5	ς P8.40 ν ⌠ P8.42 ν ⁞	0.0˙ 300.0 [s]	10.00 [s]	
P8.44	⁞ Ⅵ6	´E ⍵ ⁞	0.0˙ 300.0 [%]	300.0 [%]	
P8.45	⁞ 6	ς P8.42 ν ⌠ P8.44 ν ⁞	0.0˙ 300.0 [s]	10.00 [s]	
P8.46	⁞ Ⅵ7	≠ ⍵ ⁞	0.0˙ 300.0 [%]	300.0 [%]	
P8.47	⁞ 7	ς P8.44 ν ⌠ P8.46 ν ⁞	0.0˙ 300.0 [s]	10.00 [s]	
P8.48	⁞ Ⅵ8	ñ ⍵ ⁞	0.0˙ 300.0 [%]	300.0 [%]	

P8.49	⋮ 8	ɾ P8.46 ỵ ⌈ P8.48 ỵ ⋮	0.0˙ 300.0 [s]	10.00 [s]	

5.1.7 1 L P12

w	O		₰	ỵ	
P12.0		[0] ~ [1]ʜ L	0˙ 1	1	5.2
P12.1	ʏ β	[0][%] [1][Hz] [2][rpm]	0˙ 2	1	
P12.2	1		0.0˙ 3000.0	10.0	
P12.3	2		0.0˙ 3000.0	20.0	
P12.4	3		0.0˙ 3000.0	35.0	
P12.5	4		0.0˙ 3000.0	50.0	
P12.6	5		0.0˙ 3000.0	50.0	
P12.7	6		0.0˙ 3000.0	50.0	
P12.8	7		0.0˙ 3000.0	50.0	
P12.9	8		0.0˙ 3000.0	50.0	
P12.10	9		0.0˙ 3000.0	50.0	
P12.11	10		0.0˙ 3000.0	50.0	
P12.12	11		0.0˙ 3000.0	50.0	
P12.13	12		0.0˙ 3000.0	50.0	
P12.14	13		0.0˙ 3000.0	50.0	
P12.15	14		0.0˙ 3000.0	50.0	
P12.16	15		0.0˙ 3000.0	50.0	
P12.17	16		0.0˙ 3000.0	50.0	
P12.22	h ỵ	h ỵ	0.0˙ 20.0 [%]	2.0 [%]	5.2
P12.23	ỉ h ỵ	ỉ h ỵ	0.0˙ 20.0 [%]	0.0 [%]	5.2
P12.24	h	h	0.0˙ 200.0 [%]	30.0 [%]	5.2
P12.25	ỉ h	ỉ h	0.0˙ 200.0 [%]	20.0 [%]	5.2

P12.26	h	h	0.00 2.00 [s]	0.00 [s]	5.2
P12.27	ǐ h	ǐ h	0.00 2.00 [s]	0.00 [s]	5.2
P12.28	h L	h	0.00 2.00 [s]	0.07 [s]	5.2
P12.29	ǐ h L	ǐ h	0.00 2.00 [s]	0.07 [s]	5.2
P12.32	h	h	0.0 20.0 [%]	0.0 [%]	5.2
P12.33	ǐ h	ǐ h	0.0 20.0 [%]	0.0 [%]	5.2
P12.34	h	h	0.00 2.00 [s]	0.00 [s]	5.2
P12.35	ǐ h	ǐ h	0.00 2.00 [s]	0.00 [s]	5.2
P12.36	h	h	0.00 2.00 [s]	0.50 [s]	5.2
P12.37	ǐ h	ǐ h	0.00 2.00 [s]	0.50 [s]	5.2
P12.40	L ر ẏ	L ر ẏ	0.0 100.0 [%]	0.5 [%]	5.2
P12.41	L ر	L ر	0.00 100.00 [s]	0.20 [s]	5.2
P12.42			0 3000 [s]	300 [s]	5.2

5.1.8 1 ǎ V/F P16

w	O		مخ	Ẏ	
P16.0	~ ۱	~ ۱	320 460 [V]	380 [V]	
P16.2	w	ǎ	0.0 4000.0 [kW]	غمم [kW]	
P16.3	۱	ǎ	320 460 [V]	380 [V]	
P16.4		ǎ	0.0 6500.0 [A]	غمم [A]	

P16.30	Ħ ê	Ω¬	⊀	Ħ ẽ		Ω¬	⊀	0.0˙ 100.0 [%]	0.0 [%]
P16.33		V/F				V/F		0˙ 6	2
P16.34	V/F		1					0.0˙ 300.0 [Hz]	5.0 [Hz]
P16.35	V/F	⊀	1					0.0˙ 125.0 [%]	11.5 [%]
P16.36	V/F		2					0.0˙ 300.0 [Hz]	50.0 [Hz]
P16.37	V/F	⊀	2					0.0˙ 125.0 [%]	100.0 [%]
P16.38	V/F		3					0.0˙ 300.0 [Hz]	50.0 [Hz]
P16.39	V/F	⊀	3					0.0˙ 125.0 [%]	100.0 [%]
P16.40	V/F		4					0.0˙ 300.0 [Hz]	50.0 [Hz]
P16.41	V/F	⊀	4					0.0˙ 125.0	

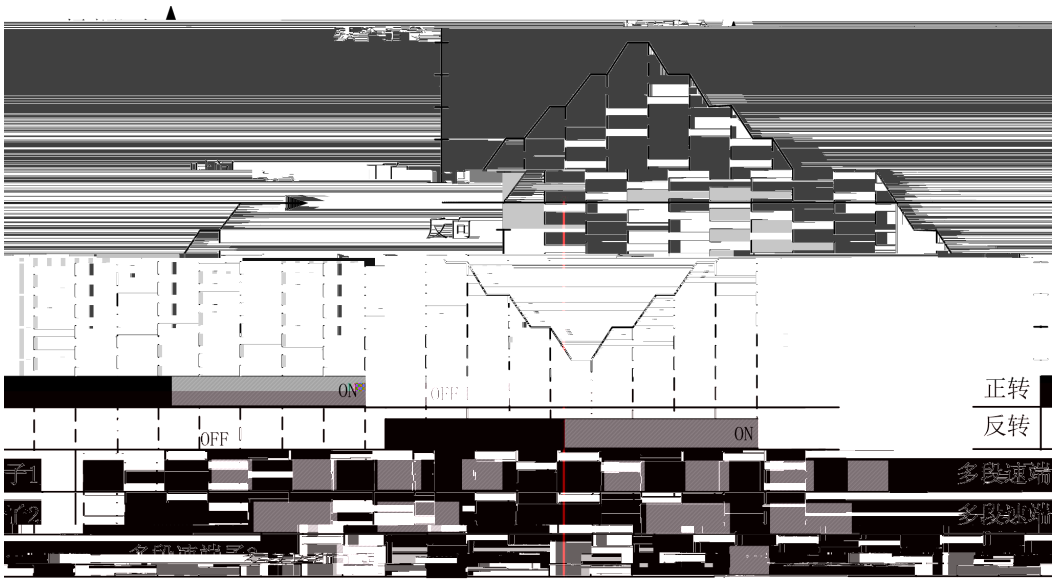
P20.13	T	T	20.0˙ 500.0 [ms]	100.0 [ms]	
P20.14	‖	1 ‖	0˙ 60000	1024	
P20.15	‖ h	[0] [1] ą	0˙ 1	0	
P20.16	h	h ضي 7 ЙĮ	0.0˙ 300.0 [%]	100.0 [%]	
P20.17	h	h ضي 7 ЙĮ	0.0˙ 300.0 [%]	100.0 [%]	
P20.18	h	h ضي 7 ЙĮ	0.0˙ 300.0 [%]	0.0 [%]	
P20.19	h	h ضي 7 ЙĮ	0.0˙ 300.0 [%]	0.0 [%]	
P20.20	w ą	[0] [1] ą	0˙ 1	0	5.2
P20.21	w	[0] [1]	0˙ 1	0	5.2
P20.22	ų	ضي w Й	0.0˙ 300.0 [%]	160.0 [%]	
P20.23	ų	ضي w Й	0.0˙ 200.0 [%]	20.0 [%]	
P20.24	ų	ضي w Й	0.0˙ 300.0 [%]	100.0 [%]	
P20.25	ų	ضي w Й	0.0˙ 200.0 [%]	100.0 [%]	
P20.26	β	β	0.0˙ 1000.0 [%]	0.0 [%]	
P20.27	β ê	β ų	0.00˙ 15.00 [%]	2.00 [%]	
P20.28		[0] ų G P20.16 P20.17 [1] ~ [2] [3]DP	0˙ 3	0	
P20.30	Ę Й	[0] Ę ų G P20.31 P20.32 ų Ę [1] ~ 1 [2] ~ 2 [3]	0˙ 3	0	

P20.31	Ẓ	Ẓ ṿ	0.0˙ 100.0 [%]	5.0 [%]
P20.32	ỉ Ẓ	ỉ Ẓ ṿ	0.0˙ 100.0 [%]	5.0 [%]
P20.34	ẽ ą	[0] [1] ą	0˙ 1	0
P20.35	شي Ḡ	Å U شي Ḡ	0.0˙ 100.0 [s]	0.0 [s]
P20.36	Ø˜ شي	Ø˜ شي ṿ	50.0˙ 150.0 [%]	110.0 [%]
P20.37	Ø˜	Ø˜	0.0˙ 150.0 [%]	100.0 [%]
P20.38	Ø˜	Ø˜	0.0˙ 100.0 [%]	25.0 [%]
P20.39			0.0˙ 120.0 [%]	100.0 [%]
P20.40			0.0˙ 150.0 [%]	100.0 [%]
P20.41			0.0˙ 150.0 [%]	135.0 [%]
P20.42	w	[0] [1] ą	0˙ 1	1
P20.43			25˙ 1000 [ms]	o ǯ

P20.53	: └ Kp	└ ד ם	0.0˙ 1000.0 [%]	100.0 [%]	
P20.54	: └ Ki	└ ד №	0.0˙ 1000.0 [%]	100.0 [%]	
P20.55	ם	└ ד ם	0.0˙ 1000.0 [%]	100.0 [%]	
P20.56	№	└ ד №	0.0˙ 1000.0 [%]	100.0 [%]	
P20.62	ם	└ ד ם	0.0˙ 1000.0 [%]	100.0 [%]	
P20.63	№	└ ד №	0.0˙ 1000.0 [%]	100.0 [%]	
P20.98	¬	¬ (ץ)	0.01˙ 300.00 [s]	0.75 [s]	
P20.99			0.00˙ 10.00 [%]	0.00 [%]	

5.1.10 w ă P26

w	O		₯	ץ	
P26.00	w	0 1 ą	0~1	0	5.2
P26.01	ר ‰	0 ¬ ƀ 1 ‰ 2 ‰	0~2	0	5.2
P26.02	ר ‰		0~2500kg	800kg	5.2
P26.03	¬ r ‰		0~500kg	75kg	5.2
P26.04	‰		0~10000kg	2000kg	5.2
P26.05			0.0~500.0%	100.0%	5.2
P26.06			0~10000kg	2000kg	5.2
P26.07			50.0~200.0%	105.0%	5.2



5.2.2 Ḡ ắ

1 Lw

P7.0 Lw L Lẏ w Ω

2 Ḡ w

P7.4 Ḡ w ắ P7.4 ě γ ắ P16.4

ẏ w Ω Ⓟ ǐ ↺ ∓ ẏ ч №

3 Ḡ

P7.8 Ḡ ẏ ǐ ↺ ∓ ė P16.4

$\frac{(\quad)}{3}$ 7.8 16.4 1.414

w Ω ғ Ⓟ ǐ ↺ ∓

ض Ψ

4 ۱ ۱Ḡ

P7.12 P7.13 ۱ ۱Ḡ w ǐ ↺ ۱ ắ P7.12 ẏ

w Ω ғ Ⓟ ǐ ↺ ∓ ǐ ↺ ۱ ʏ ɢ P7.13 ẏ w Ω

ғ Ⓟ ǐ ↺ ∓ ẏ

5 Ḡ

P7.14 w ǐ ↺ IGBT ắ P7.14 ẏ w Ω

ғ Ⓟ Ї ҁ Ҿ Ї ҁ

P7.15 w Ї ҁ ض Å Й Ї ҁ IGBT ă P7.15 ụ w Ω

6 Ḡ

P7.19 P7.20 P7.21 P7.22 w ă P7.19 ụ w Ω ғ Ⓟ Ї ҁ Ҿ P7.19 P7.22 ụ ч №

7 Ω Ḡ

P7.23 Ḡ ₇ ض L ч P16.11=1 ƀ P7.23 ч ụ Ḡ w L Й Ω Ẓ ٧ ش ض Ω

ғ P7.23 ụ ↕ w Ω ғ Ⓟ Ї ҁ Ҿ

8 Ḡ

P7.31 P7.32 Ḡ w ₇ ض L ч P16.11=2 ƀ P7.31 Ẓ ụ 100% P7.32 ҁ Ь ң Ҿ P7.31 ụ P7.32 w Ω ғ Ⓟ Ї ҁ Ҿ

9 ӟ Ḡ

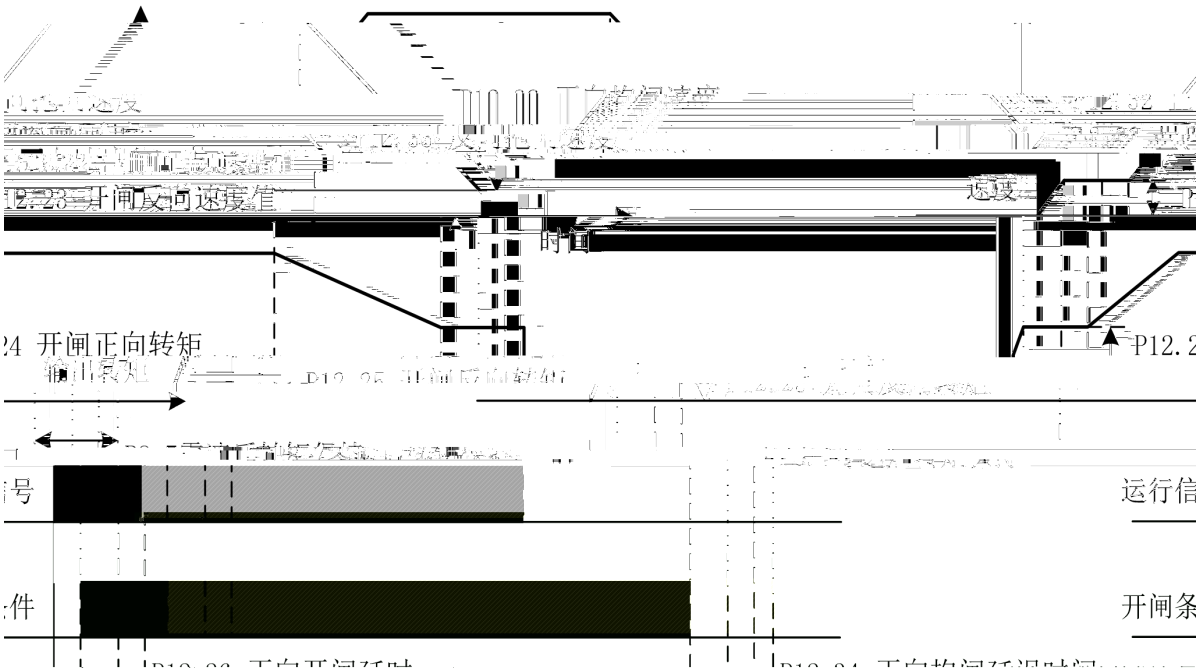
P7.33 ӟ ض ӟ ƀ Ţ ƀ ӟ P7.33 w Ω ӟ

10 Ḡ w

P7.48 P7.50 Ḡ w Ḡ ụ w Ω ғ Ⓟ Ї ҁ Ҿ ỉ Ḡ ă Й ىح

P12.36 ¿ P12.37 ɾ ĭ ϟ ᒷ Ḥ ₹ ث ɒ ⌡

ĭ ỿ γ P16 ǎ ч ‰



5.2.4 └ ◌ Ḡ

└ ◌ Ḡ ˜ ă̋

w	ă̋ O	ẏ		
P4.2	₣ 1	3 └	└ └ ˗ ◌	₇ ₣ Ң ѡ w
P4.3	₣ 4	16		↻ └ ˗ ◌ Ḡ w
P12.40	└ ◌ ẏ	10%	100% P16.6	
P12.41	└ ◌	0.1s		
P12.42		300s	ă̋ ₇ ضِ	└ Ӈ

w . ضِ └ └ Ӈ

└ ◌ Ḡ w ∕ ĭ̋ ◌ ɢ Å └ Ӈ Å Ӈ ĭ̋ ◌ ₣ └Ӈ Å Ӈ ĭ̋ ◌. : ₣ ⌡ ◌ ĭ̆ ᵀ ɢ ẏ ғ ŭ̆ └ ◌ Ḡ w □ ĭ̋ ◌ ₣ Ɣ ɢ Ţ ғ ₣ ◌ Ң̊ Ң U ˜ ƀ Ӈ ⌡ ضِ ŋ β ĭ̋ ◌ ќ └ ◌

P12.42 └Ӈ ĭ̋ ◌ . ₣ └ ◌ ĭ̋ ◌ Å ₣

5.2.5 w

w ˜ ă

w	O		
P26.00	w	0 1 ą	0~1
P26.01	٦ ‰	0 ˥ ƀ 1 ‰ 2 ‰	0~2
P26.02	٦ ‰		0~2500kg
P26.03	˥ r ‰		0~500kg
P26.04	‰		0~10000kg
P26.05			0.0~500.0%
P26.06			0~10000kg
P26.07			50.0~200.0%

1 ‰

1 ṗ₇ ₩ O ‰ ₂ ‰ ₂ r ضي ă P26.03 ٦ β kg

2 ‰ ‰ 3s P26.01 ч 1 ‰

‰ U ψ

3 ‰ ضي ṗ ₹ ˜ 2000KG

⌡ P26.04 U P26.01 ч 2 ‰ ‰ U ψ

ضي ‰U Ŭ ṿ ˆ Ь ‰

4 ˆ P26.06

2

Ь ‰ ‰Uˆ ₹ ă “ ”

Ь ₹ ٦ ₩ ₩ ↕ ‰ w ˆ Ь ṿ

ė w U ٧

5.2.6 w w

ч ъ ٦ ъ ʒ ٦ w r ṗ ъ w └w

З ч w w . ضي └ Й ă

Й

w ă O ẏ

P20.21 w └ 0 “ قمم ”

ч ش ɒ ч 50HZ

P20.22 └ ẏ ч 85HZ ẏ ч 85/50*

٦ β % 100%=170%

ч ⌠ P ɒ 2T

20.22 ḍ ɸ ˜Ḥ 1T

ь⒝ Ð Ш ˜Ḥ ⅄

P20.23 ẏ

№

مخ 10%-50%

Ѫ

"

5.3 ٦ w ٦

κ ν β ϼ ٦ γ b ٦ P12.04

⌡ ⋮ β ˜ U ¬ ⋮ ˝ γ P12.03

⁘ ⁘ ٦ β ˜ Ψ ⁘ ٦ β ϼ □ ٦ ⋮ Å ٦

ɾ Й Ь ⁘ □ Й ⌡ Й β ˜ Ψ Й β ϼ □ ٦

⋮ Å ٦ ɾ ⁘ ٦ Ь Й

⁘ ⌡ ‖ β Ψ ‖ β ϼ ⌐ ح ٦

Å ∓ ⌡ Й ɒ U ٦ β ڑ Й ث ɒ ٨ ϼ

β U ¨Ң ՝P ⁘ ٦

1 ṗ ƀ

ѽ β Œj Ɛ È!" ṗ Å □ Ḡ ƀ ȽL€ ɢ β ƀ Ţ β ∫ ϼ ٦ ƨ

Й Ω¬ ڑ Ω¬ Å ˆ ƀ ٦

ƀ ⁘ ѡ ԋ №≠ ٧ ⁘ ⁘ Й ѡ

ԋ №≠ ٧ Й Й ü ,ƀ ≠ Ɛ Ň o "

3 تخه Ъ

ضي ṗ Ъ ' ЙĮ ⁘ تخه ~ تخه Ъ ɣ ṗ

Ъ˜ ¬ ₮ ˜ ṗ r ЙĮ تخه ⁘

ٱ ٱ ⁘ Y ˈP ЙĮ ЙĮ ŵ U ٱ Ь p ¬

₋ تخه ЙĮ L¬ ك

1 تخه ضي Ŵ ٧ F ʒ¬ 2 Ъ ¬ ŋ

2 تخه تخه W ضي ЙĮ ٧˜

3 تخه ك β F ʒ¬ 2 β Ь تخه ك Ь

f́ ك ą تخه ك Ð

6 ή

ρ ή

	ρ Ḥ	ρ ʎ ☼	
	‰ SYS_NOT_RDY	☼ ΐ ☋ ⌈ ‰ (Ready)	ΐ ☋ ~ ʎ ʎ
	ρ REMOTE_EM	~ ч [Ả Ḥ] ⌈ ὶ Ð	ă P3 ~ ă ☋ ΐ
	OT	ΐ ☋ ☼ ⌈ ă ( ) ṿ	' ч
	MODBUS ρ MODBUS ALARM	Modbus ρ	odbus L β
	ă PARAMETER ERROR		ղ ∓ ☼
	Temp_Sensing Fail	ρ	

6.2 ή

Ӣ ή

ή Ḥ ʎ ☼ ΐ

[E051] U IGBT ERROR_UVLO not reset /Ë Ÿ β)%” IGBT ΐ IGBT ղ U 5 ☼ Vh

[E053] V ш

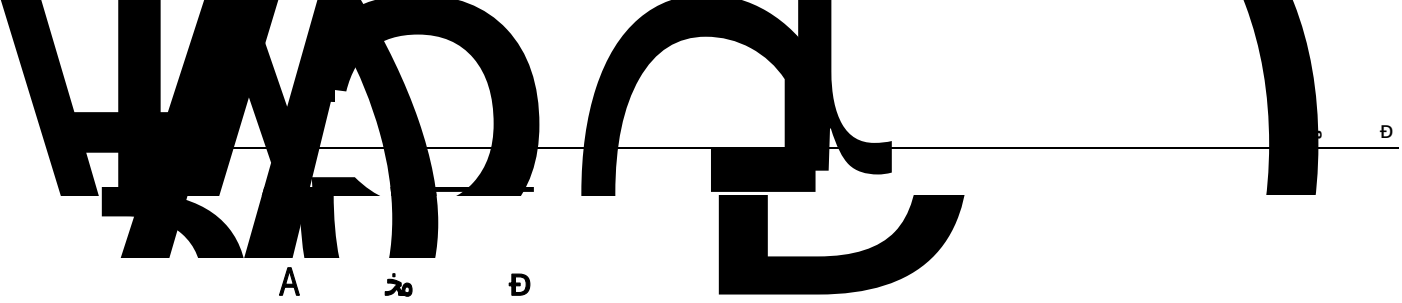
[E057] ρ └ ι ″Ή Ь ˜ β
ERR_DB not reset

[E100] ι
OV

[E105] ι
UV

└ IGBT ϖ
└ IGBT ¬ ï ¬ ϖ
U ⁘
└ ϑ
ά P8.35(⁞ 1) ì
ά P7.12(ι)
˜ ι Ή ι ⌠ ì └ ν
˜ ι
˜ ι
ΐ(ά 2

[E119]	SPEED ABNORMAL	৶ ė ă P20.14 P20.15 ղ ă P7.31 P7.32



CZT200( )

CZT300( )

GD300-NP31K

GD300-NP31

ZMHBX-3t

ZMHBA-3t-GX12-5P

GDHF630N4PG01A1

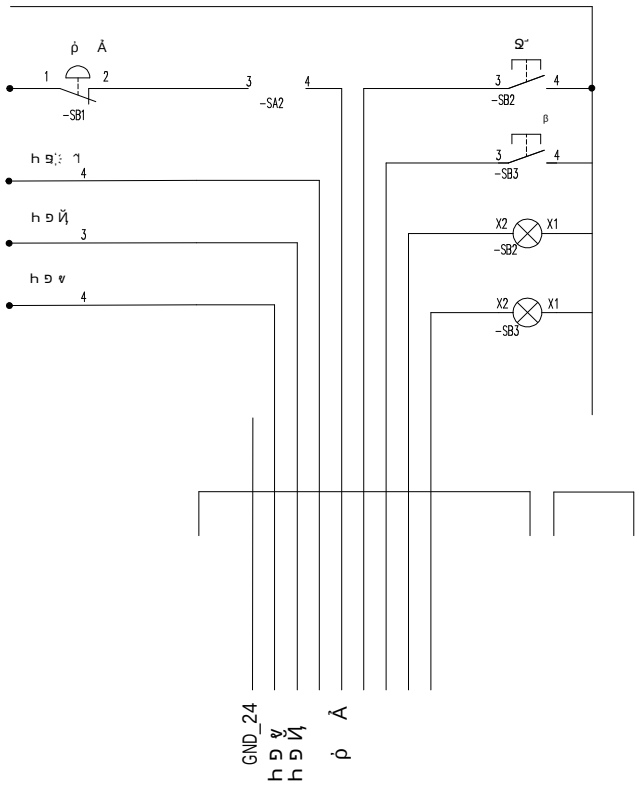
A.1 ṗ ƀ˜

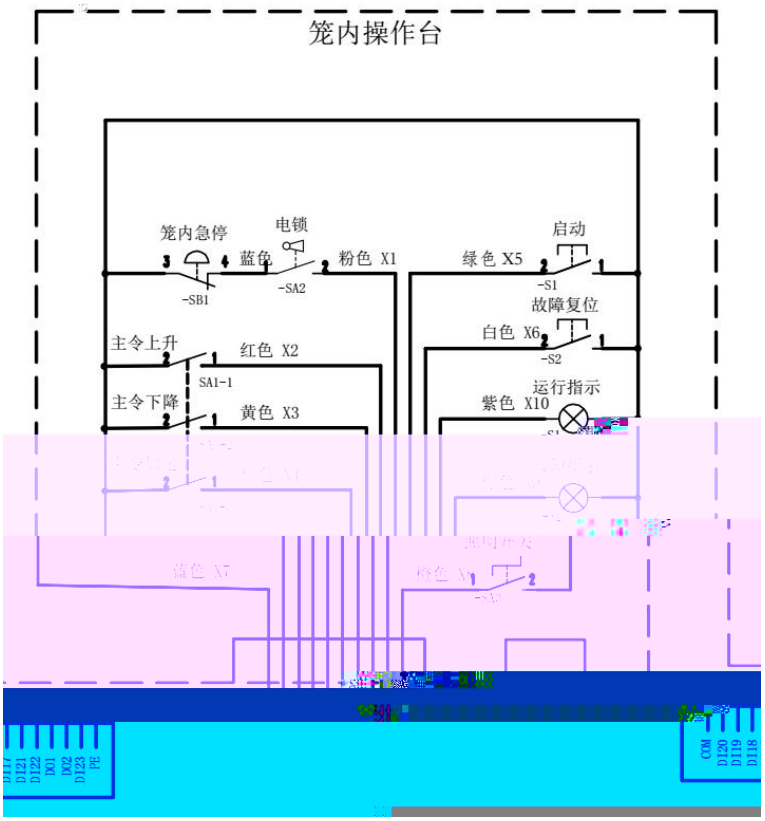


CZT100 ƀ˜ Ғ ΰ ϖ ϒ Ғ ƀ˜ Ω Å

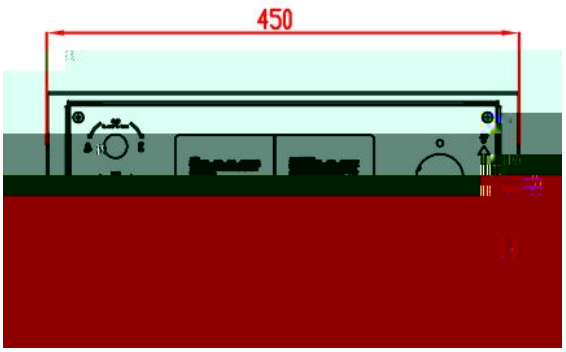
β ѡ ί п

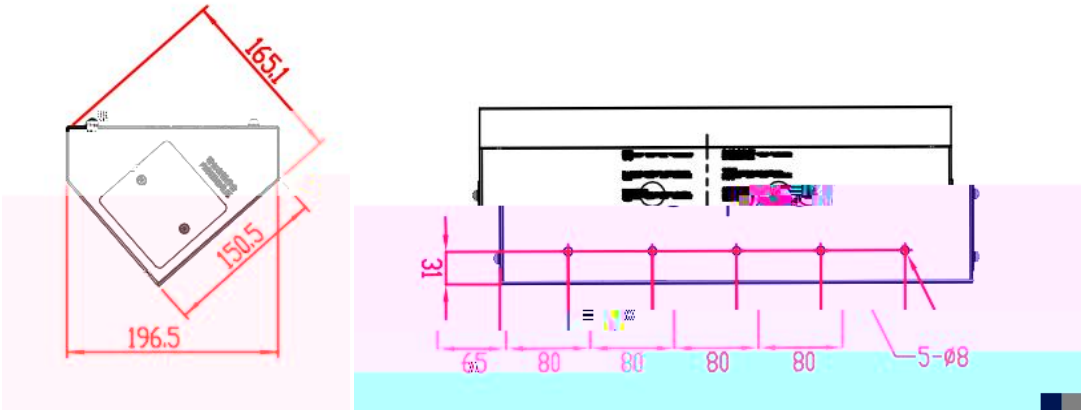
CZT100 ƀ˜


1
2
3
4
-SB1
-SA2
-SB2
-SB3
X2
X1
GND_24

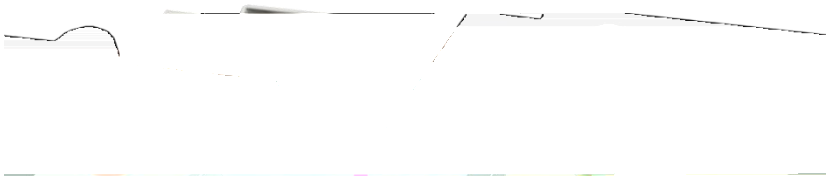

笼内操作台
笼内急停
-SB1
蓝色
电锁
-SA2
粉色 X1
启动
绿色 X5
-S1
故障复位
白色 X6
-S2
主令上升
红色 X2
SA1-1
主令下降
黄色 X3
运行指示
紫色 X10
COM
D120
D119
D118

Þ˜ ›¨


450

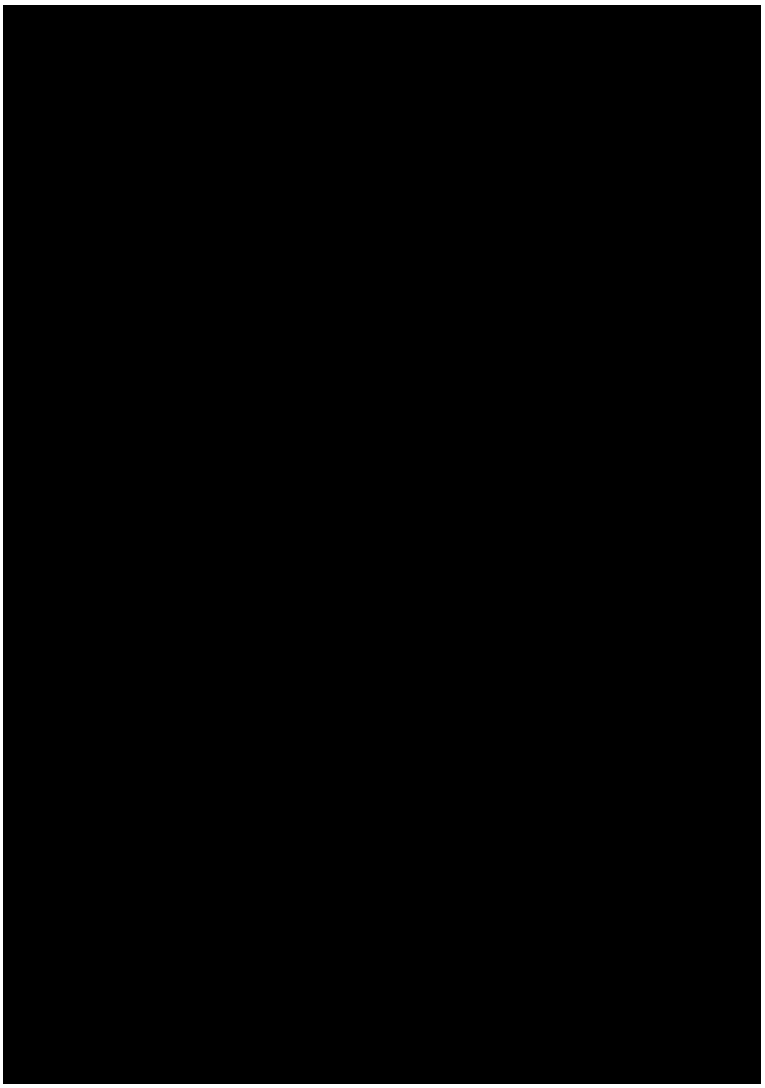

165.1
150.5
196.5
31
65
80
80
80
80
5-ø8

CZT200 Þ˜ ›¨



CZT200 فمم ƀ˜ Ғ Ü̈ w̄ ٦ Ғ ƀ˜ ضي CZT100 ƀ˜

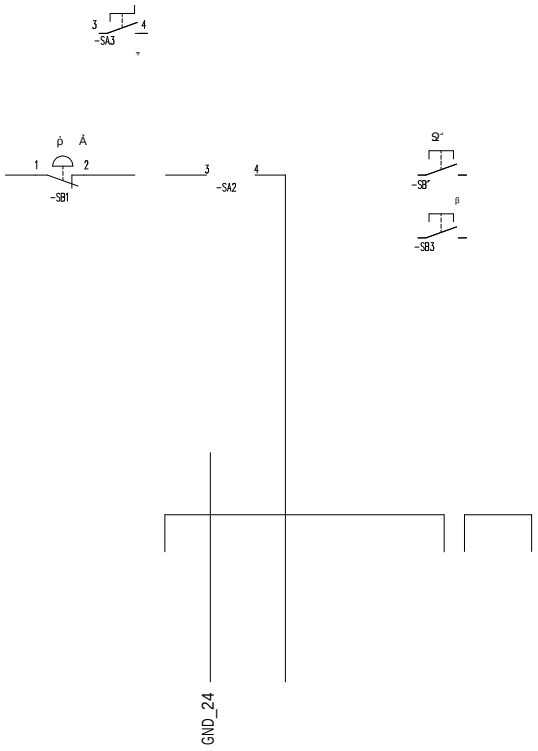
w̄ ƀ ـ w

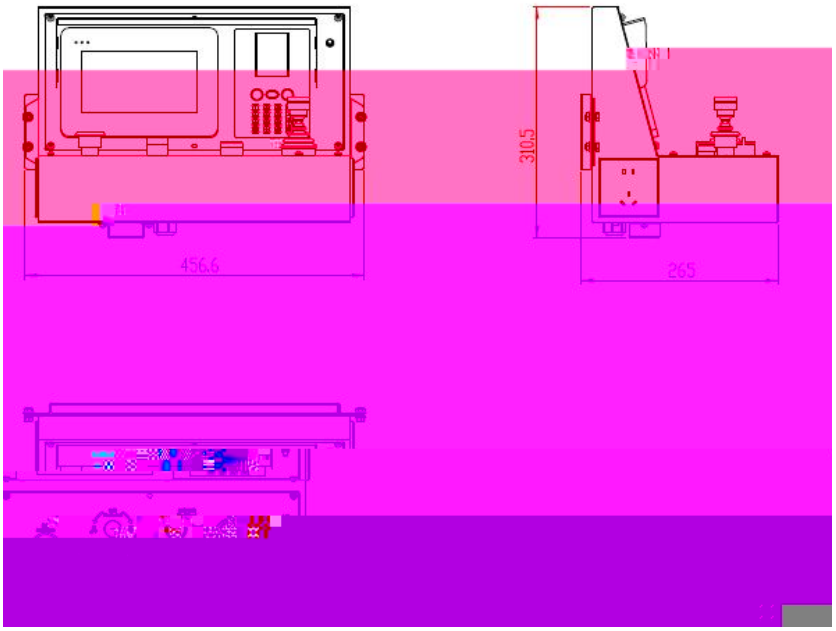


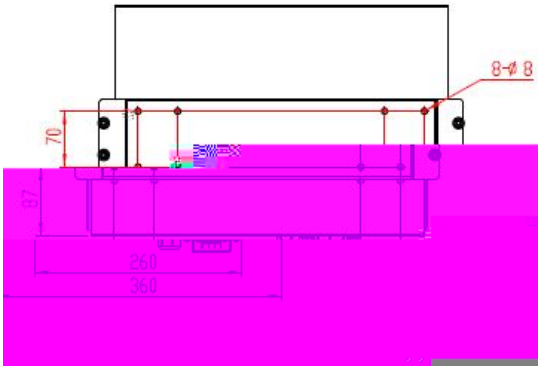


CZT300 فهم ƀ˜ Ғ ΰ ѡ ٦ Ғ ƀ˜ ضي CZT200 ƀ˜

ﻉ ﻩﺕ ﺒ ≠ w

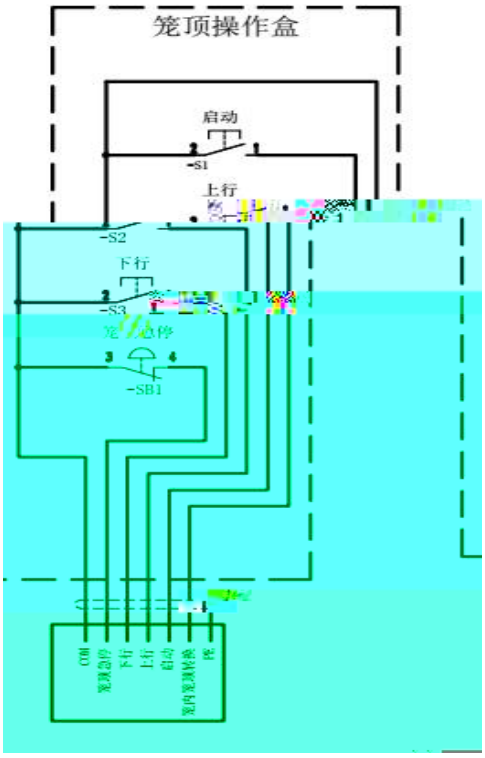


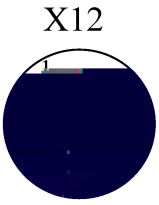

456.6
310.5
265


8-ϕ 8
70
260
360

A.2 ƀ







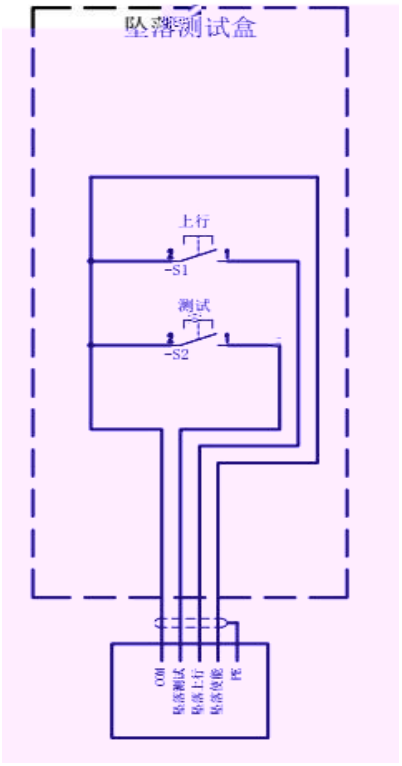
ƀ ƀ ›¨ ›¨

GD300-NP31K ƀ ˥ ẅ r Ғ ƀ ą Ḃ

	w		
1	ṗ	ṗ Ь COM	G ƀ ė ṗ ƀ˜ Ⓟ ṗ
2	Ả	ṗ Ả	
3	COM	`E ˜	
4	Ω¨	ṗ Ω¨	
5	⁘	ṗ ⁘	
6	Ӣ	ṗ Ӣ	
7	PE		

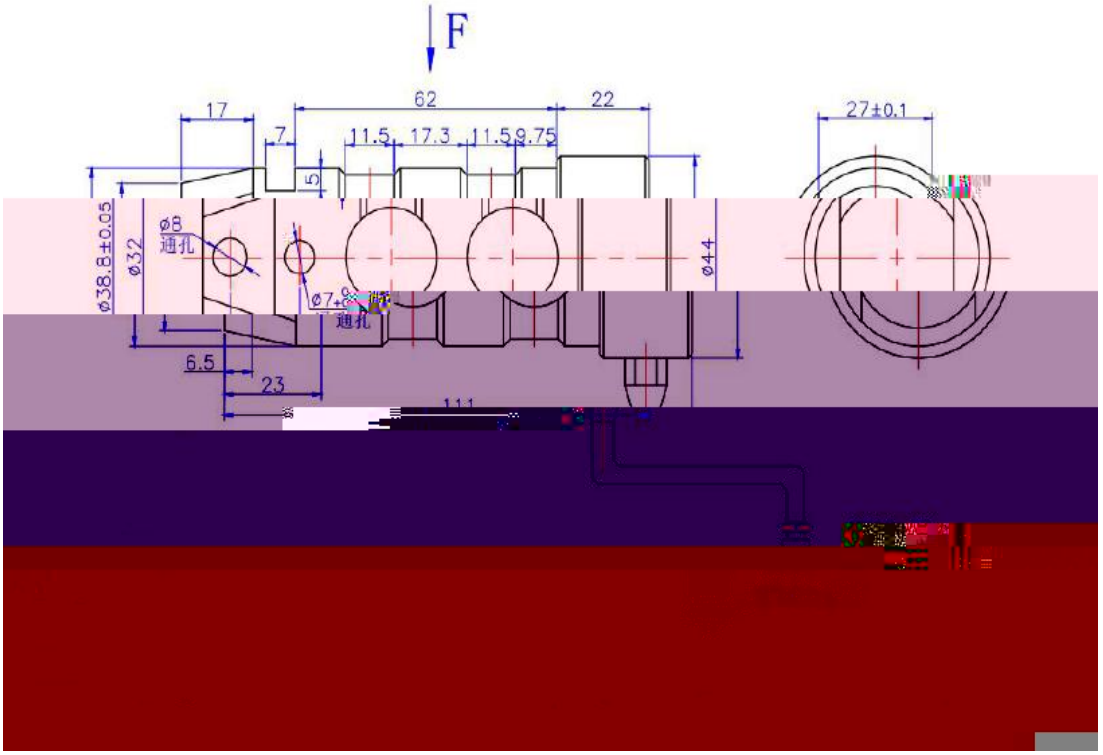
A.3





	W		
1		ṗ	
2		ṗ	
3	ą	ṗ Ь COM	
4	COM		
5	PE		

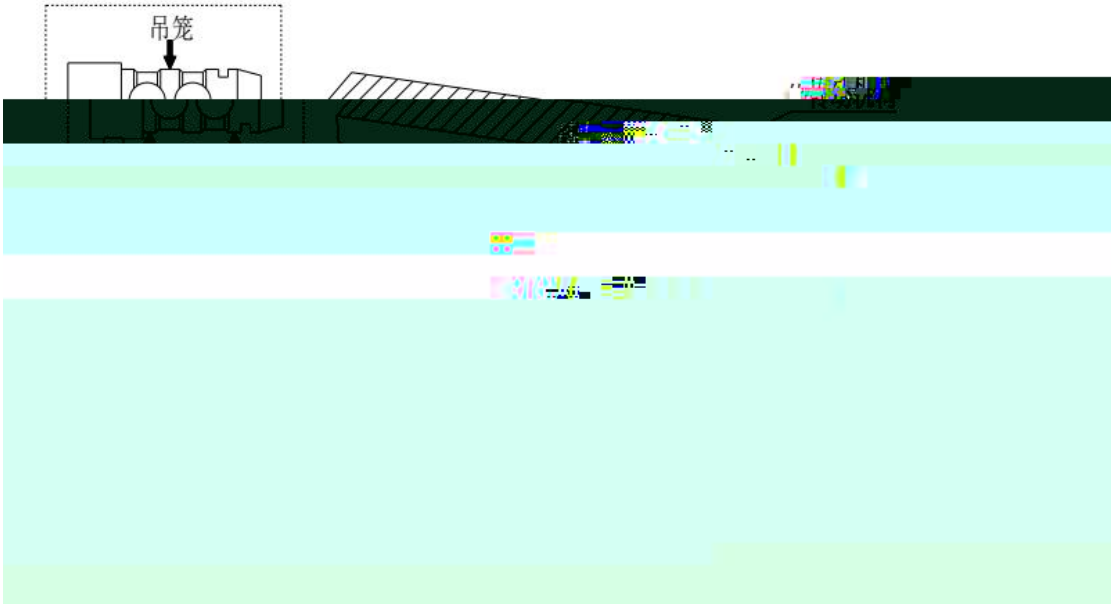
ZMHBX-3t D ৶



D ৶ ắ

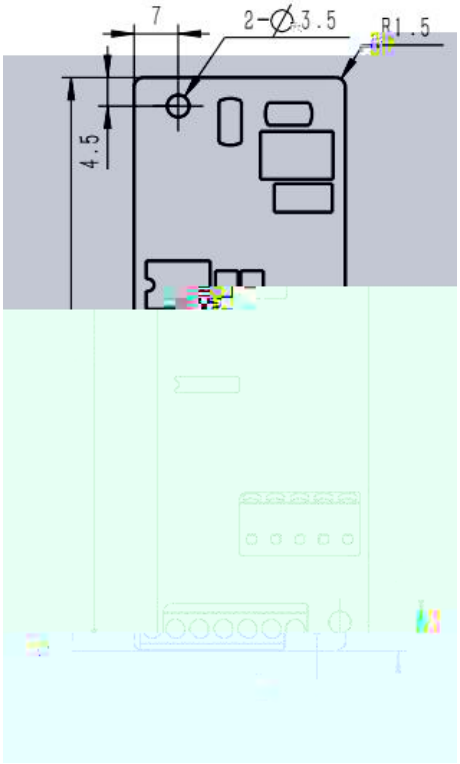
ắ	
	3000 KG
₹ mV/V	1.0mV/V
▫▫	0.5%F.S
ĩ	±0.05%F.S/30min
ƀ	-35 ~+70
~ Ω	370±20
₹ Ω	350±3
ŋ	150%F.S
ᴸ ㄱ	10VDC
	▫▫ Ь

D



A.5 ⅵ

1 ⅰ



PG ⅵ

2

	ⅵ	ⅲ	ⅵ	ⅰ
+15V,GND	ⅵ	…	15V ± 5%	300mA
A+,A- B+,B- Z+,Z-	ⅵ	0-80kHz	0-15V	…

3 ⅷ

1 ⅵ

ض ⅵ PG ⅵ PG ⅵ ‰ ´ ´E ´ ⅵ

Ḥ̂ ̂ Ɣ قمم قمم ۱ قمم غ ـ قمم +15V

ڪ ₣ Ḥ̂ ᴸ ڪ ﻫ ч +15V ₣ ̂ ą ’

2

PG ۱ ˜ 8 ɷ Ӣ̨ يح

A+	A-	B+	B-	Z+	Z-

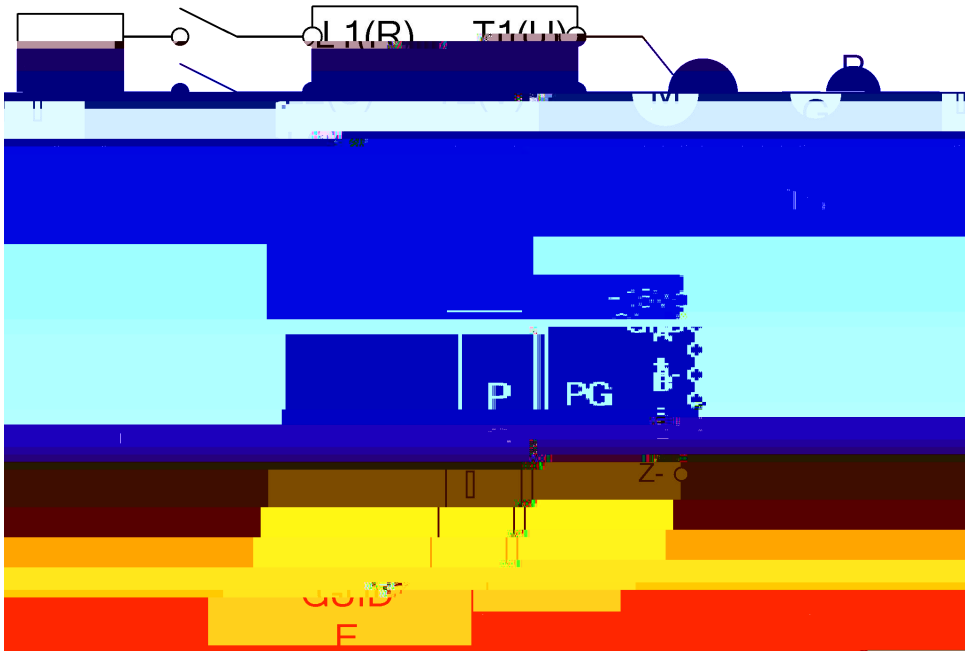
+15V	GND

ì Ţ +15V GND ч ڪ ƀ ~ A+ A- B+ B- Z+ Z- ч ڪ Ḥ̂

~ PE ч ą PE ض

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PG ۱ ۸ يح



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(2) ч ѽ ک Ḥ ٱ ∫ ч PG ٧ Ḥ

(3) ک ض ٱ ک PE ѿ ٧ ض

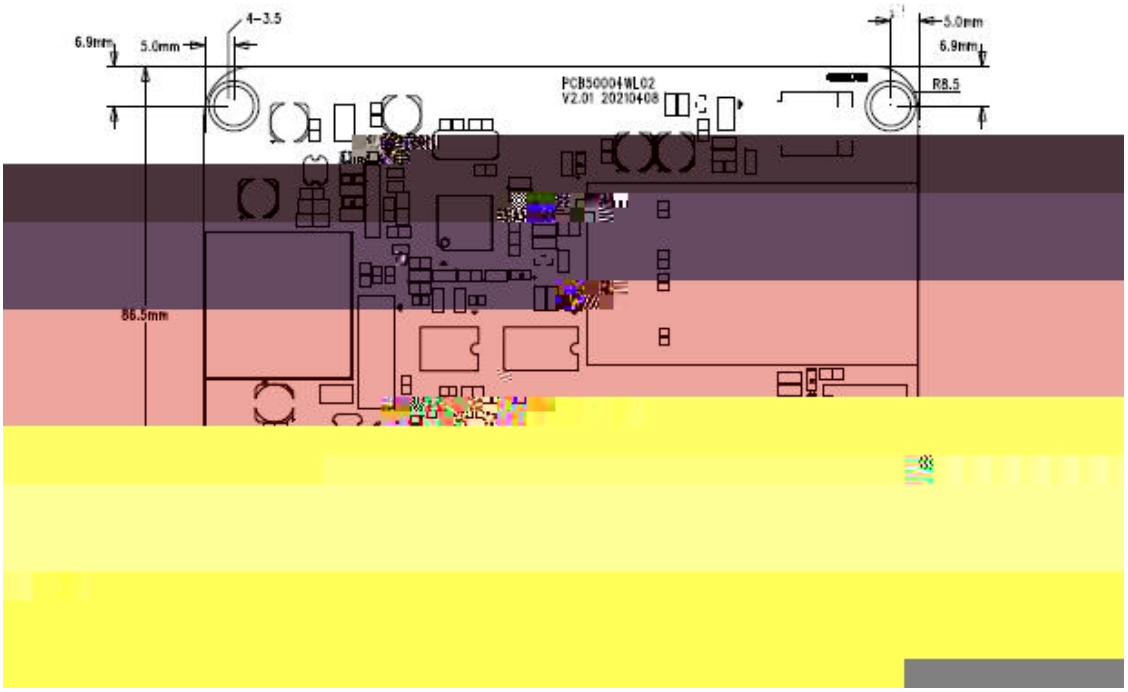
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(4) ٧ № PG ٧ A- B- Z- GND

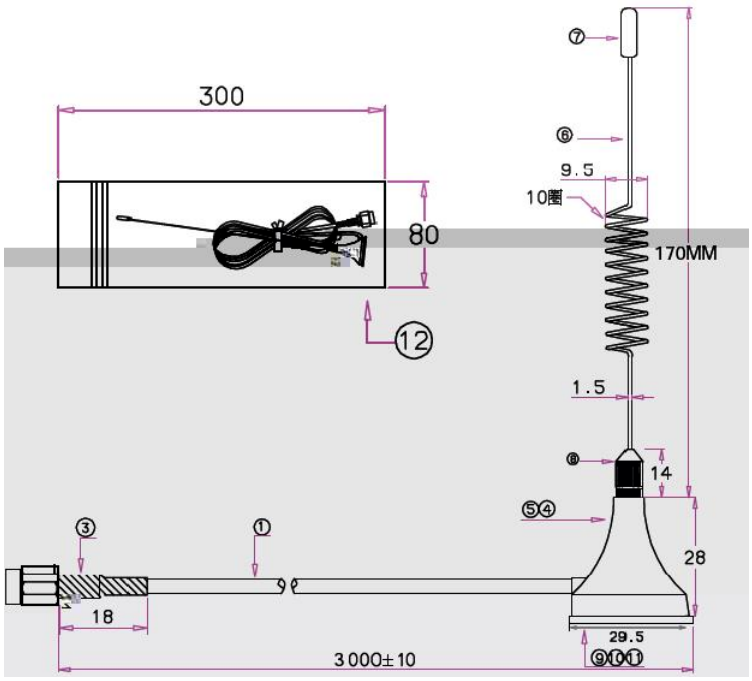
A.6 ٧ Ð

1 ٧ Ð № ٧ Ð GDHF-WP02 غ ~ ٧ Ð GDHF-WP04

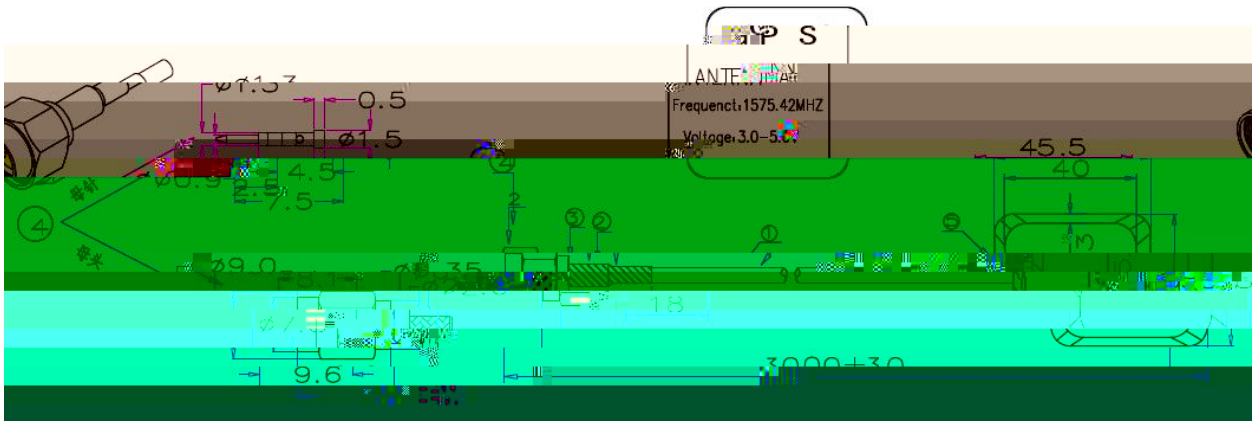
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4G



GPS

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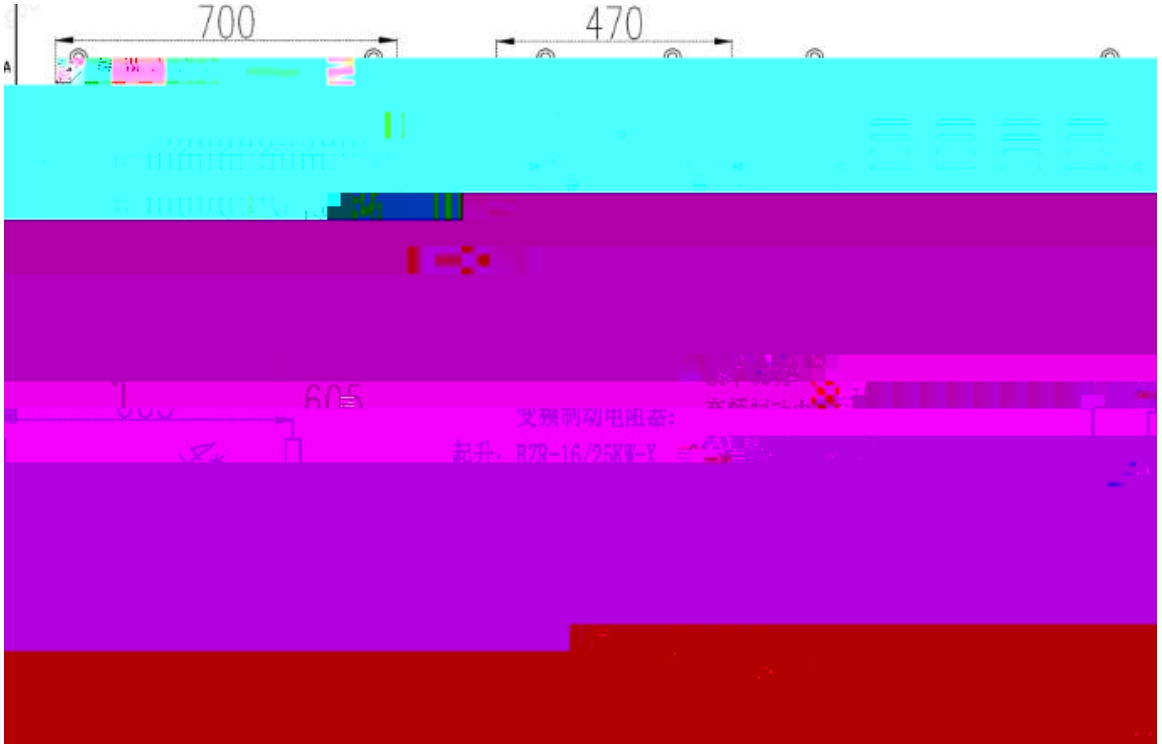
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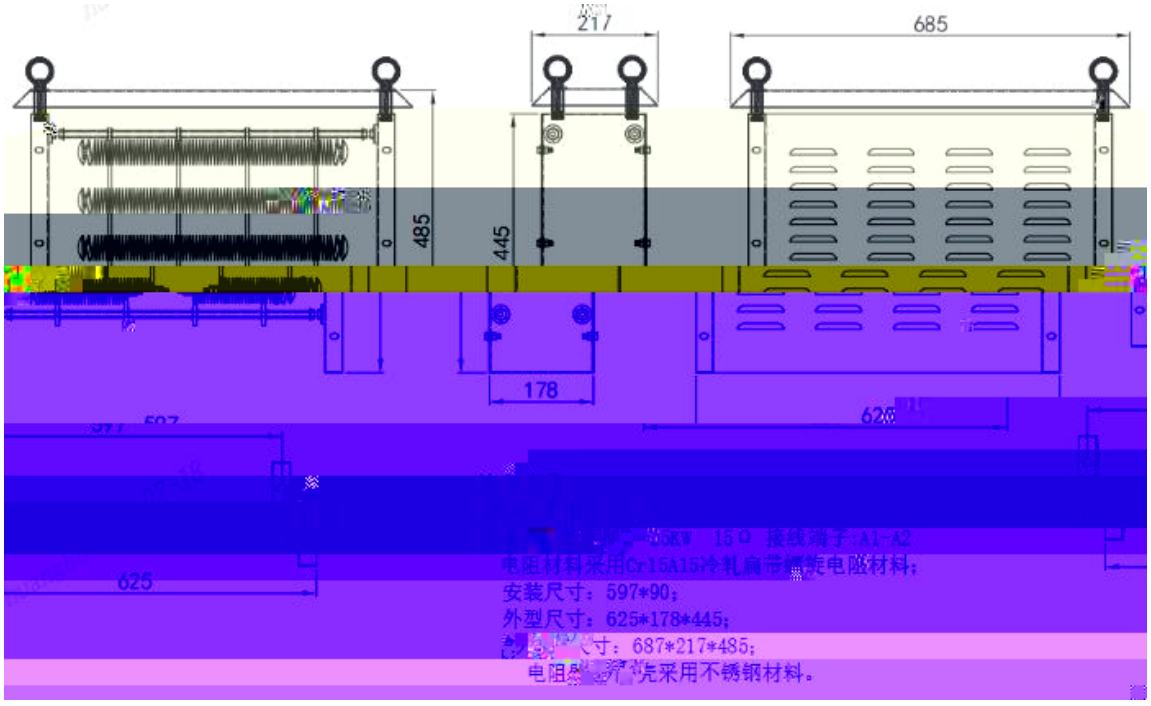
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5. ð
6. ð unlock
7. U unLock Done
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14. GPS:+-DDDMM.MMMM +-DDMM.MMMM
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37kW L-

L- ﻣﻢ WBSJ2020-0312-2 ǎ 16Ω/25kW ﻩ Ѝ

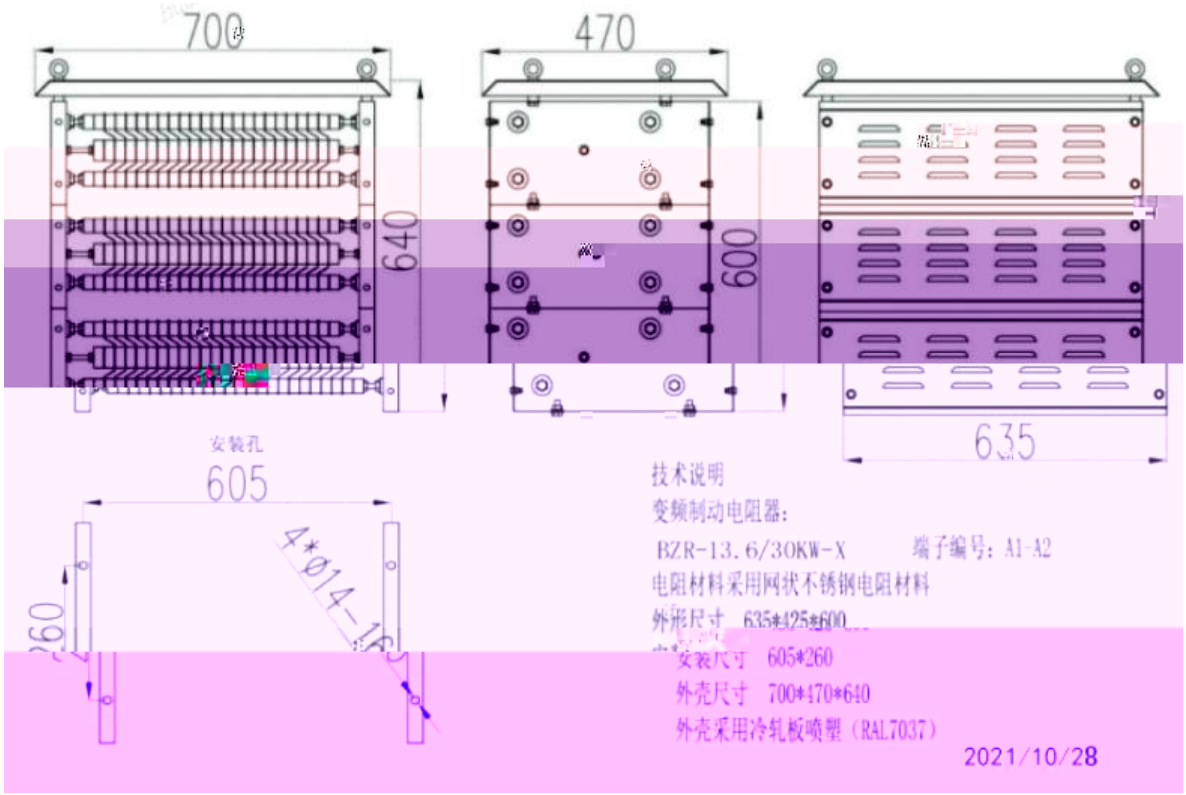


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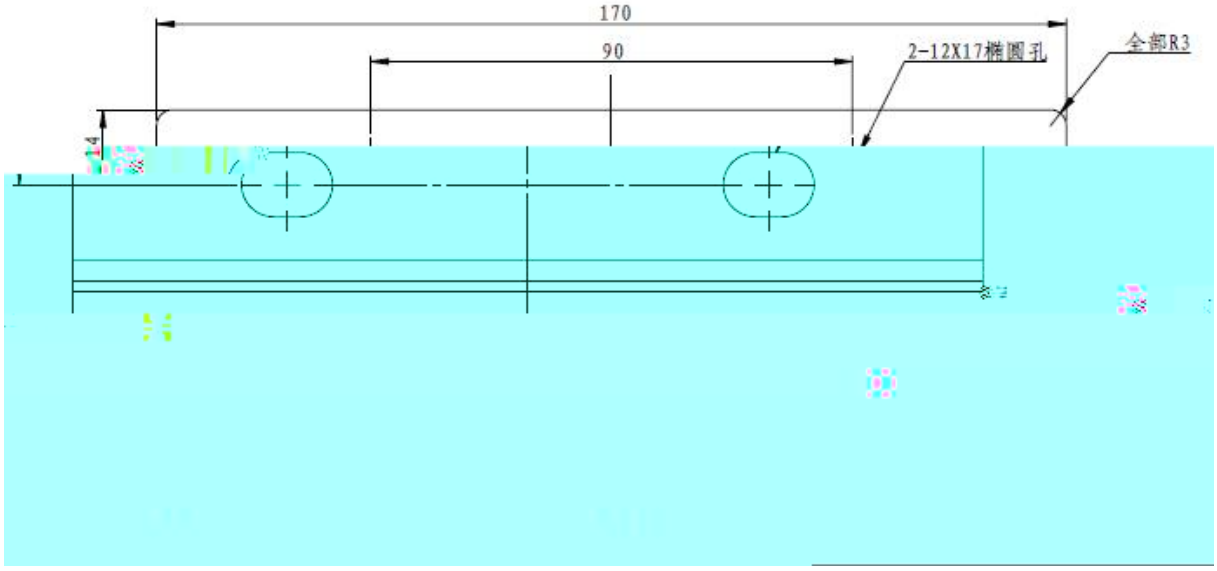
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A.8

BZRL-15/25KW 10.10.A36.03.XS00



A.9 L-

L- Ĭ Ч 37kW є 45kW

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L-	2	ZCDQ2021102822	13.6Ω/30kW	22.10.A36.96.200	45kW

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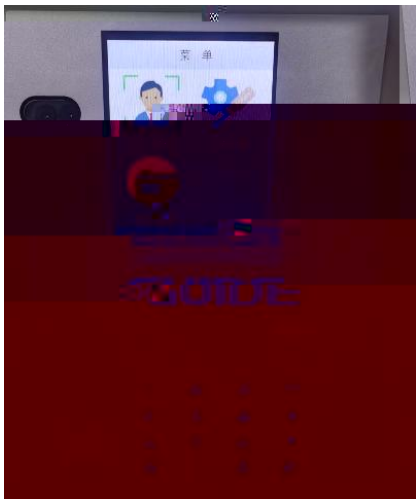
3.4 ض Ḥ w ا ً ٢ № ȳ Ƈ

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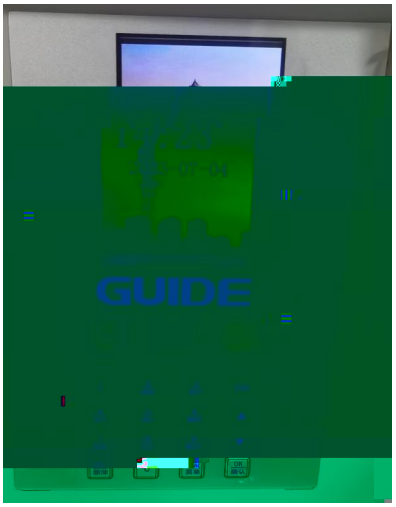
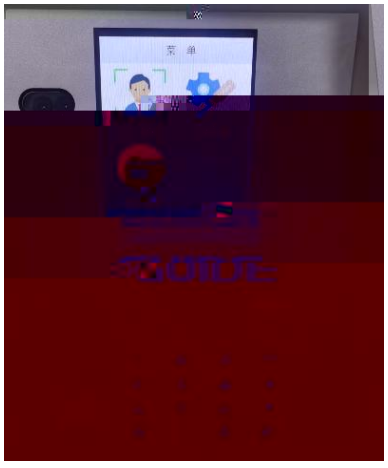
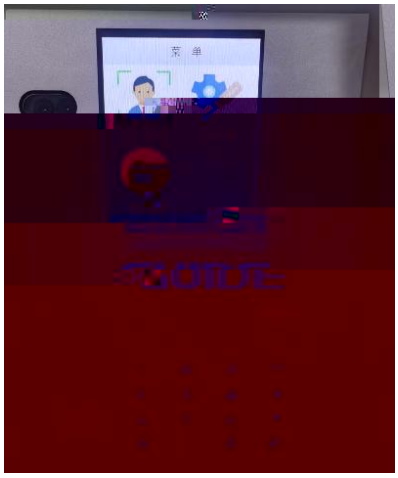
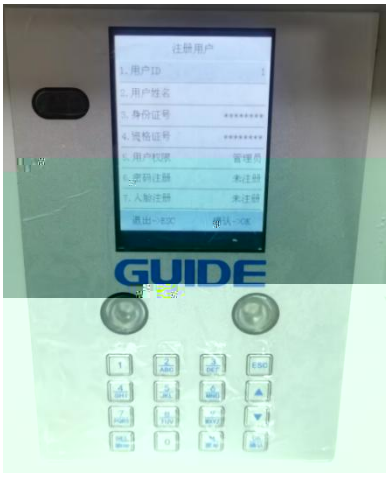


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c) ˆ ɣ ⌋ Ḡ ⌠ ʾP ⌋

d) β ⌋ ϡ ˆ ɣ ˫ β ⌠ ʜ ╠



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B.7 ت №

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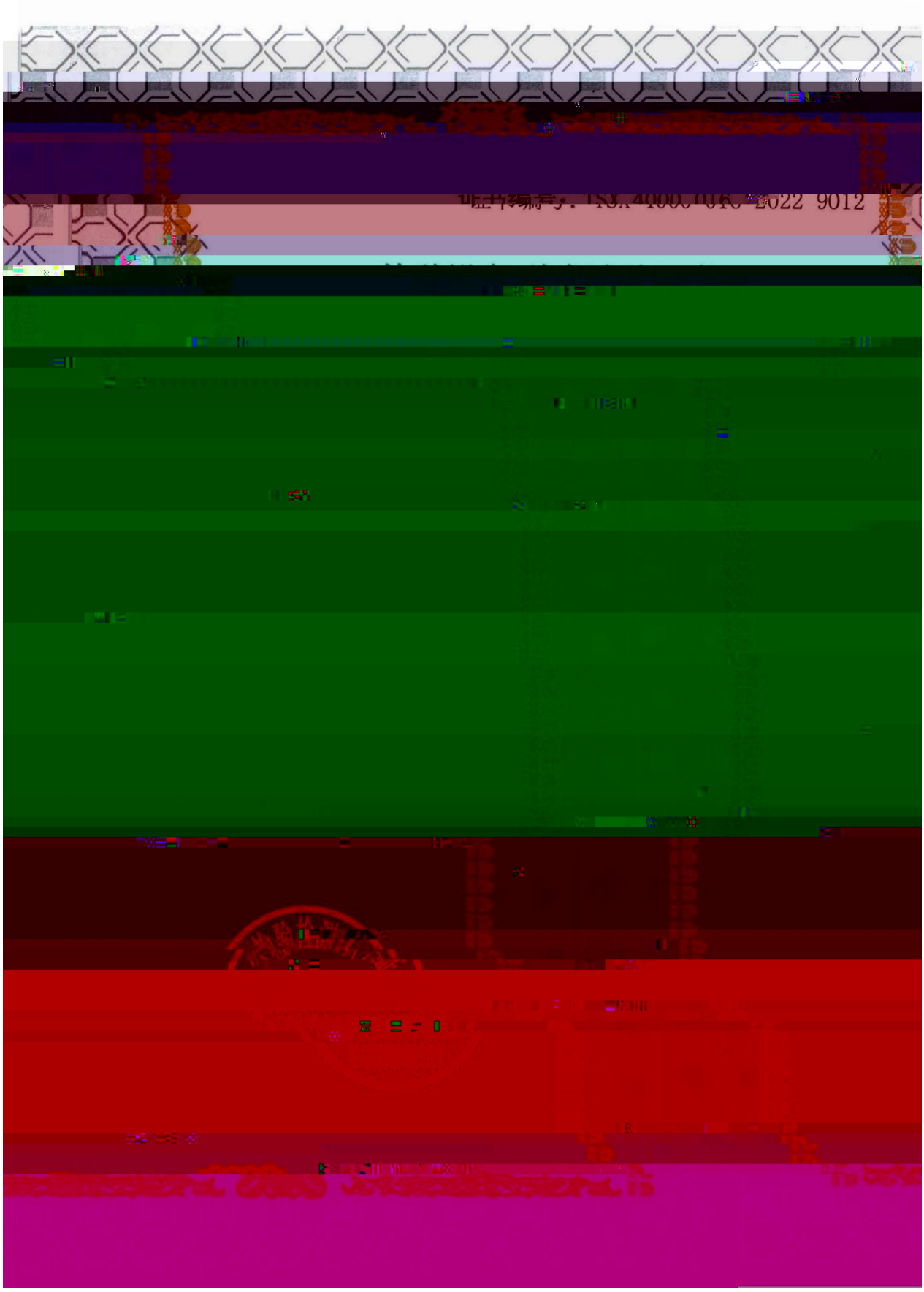
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Wuhan Guide Technology Co.,Ltd.

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