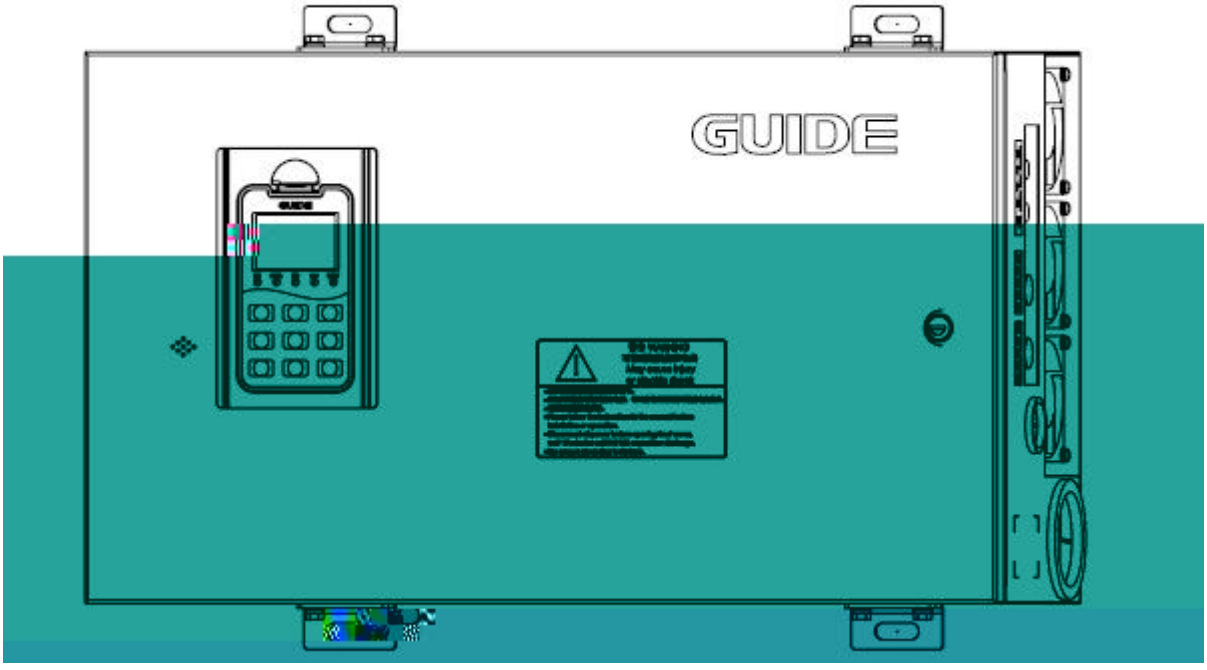
GUIDE

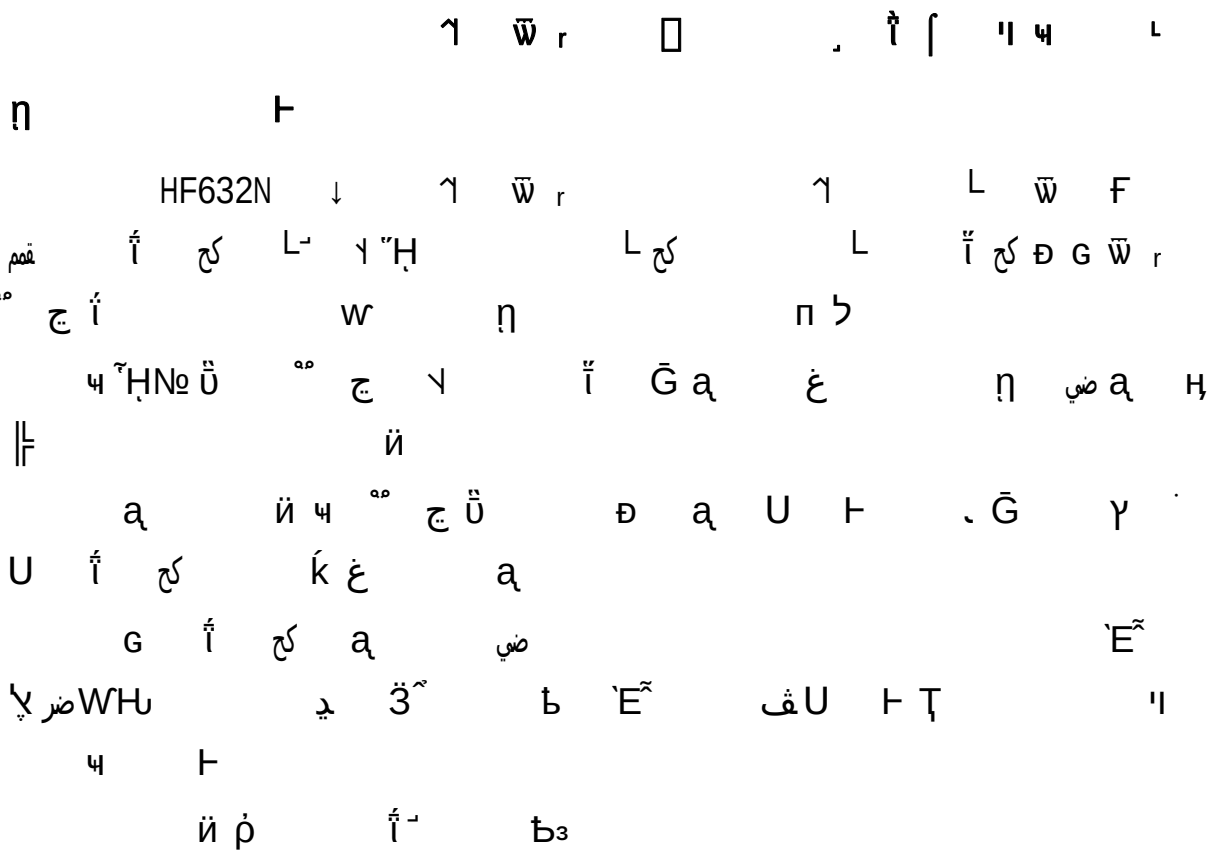
٦ ₩ r HF632N ↓

ą й 1.04

м Ѐ

Wuhan Guide Technology Co.,Ltd.







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1.3 ʜʊ 3

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₩ ŋ ʜʊ

ʜ ╠ ӥ

1.1

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↙



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(2) Ь ƀ ч “ Å ” ą

(3) Ь ƀ ч L¬ ą

(4) ° ج ... Y Й, Ɒ ɛ ‰

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

1.3 Hυ

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2.1



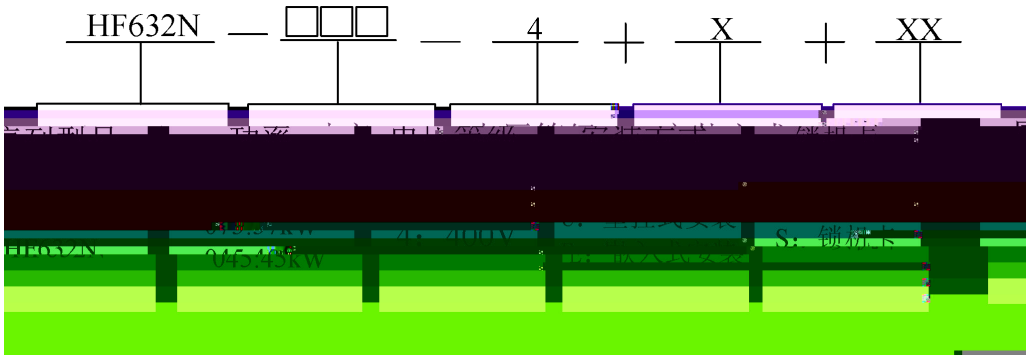
U ŭ ₣ ٦ ₩ r ɣ Ѝ ҙ 3

1. Ţ κ v ڜ Ð ڜ h r H
2. ´ Ţ ӣ ɇ Ḡ ќ ٧
3. ᵒᵒ ج ᵒᵒ ج
4. ڑ Ð ∫ Ð

ŭ ٦ ₩ r Ð ڜ ض ڍ

2.2ᵒᵒ ج ﷺ ĭ

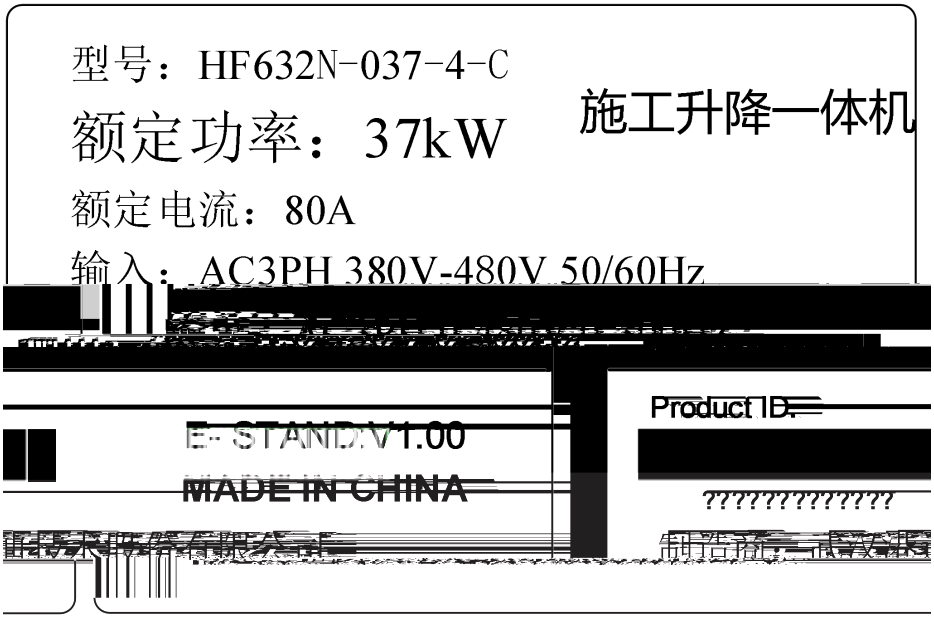
٦ ₩ r ﷺ Ȯ ɥ



ᵒᵒ ج ﷺ

A	HF632N ٦ ₩ r
B	w ٹ̃ 3 β
C	4 ١ ч 400V
D	C E ~
E	+S ٹ ٧ S ٹ ٧

HF632N ↓ ٦ ₩ ٢ ٣٤ ٢ 37kW ٩ ٥



٥٥ ٣

ﻣﻣﻴ HF632N-037-4-C HF632N ↓ ١ ٦ ₩ ٢

₩ 37kW ٧ ٩ 400V

AC ´ ~ ٣

3PH ⁝ ~ ٣

380V-480V 50/60Hz ~ ٧ ٣٤ ٤

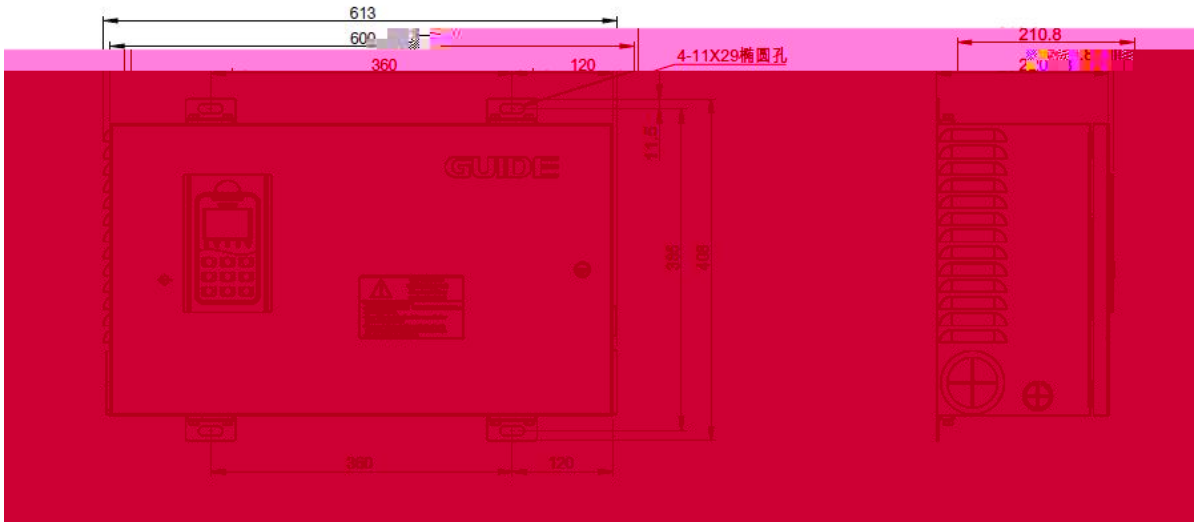
0-480V 0-300Hz ٣ ٤ ٧ ٣٤ ٤ ٣ ٣٤

2.3٥٥ ٣ ↓ ﻣﻣﻴ ٦

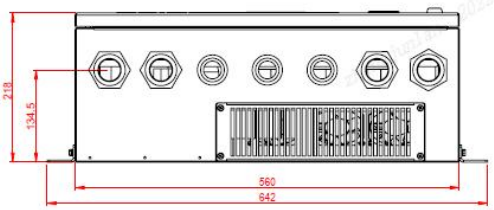
HF632N ٦ ₩ ٢ ٥٥ ٣ ₩

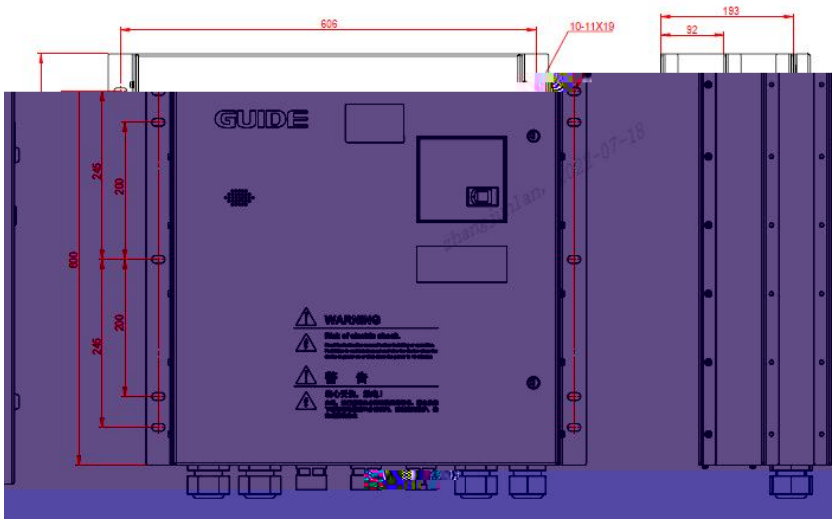
ﻣﻣﻴ	٣ [A]	[kW]	(kg)
HF632N-037-4-C	80	37	22.5
HF632N-037-4-C+S	80	37	23
HF632N-037-4-E	80	37	40.5
HF632N-037-4-E+S	80	37	41
HF632N-045-4-C	95	45	22.5
HF632N-045-4-C+S	95	45	23

2.4



HF632N-037-4-C





HF632N-037-4-E

2.5ﾟﾟ ｺ

~	~ ｲ	ﾟﾟ 380V˙ 480V
		50/60Hz
	˜Ｈ ｲ ｰ	-15%˙ +10%
	˜Ｈ ｰ	Ｉ˙ ˜Ｈ ﾊ ч fLN ± 2Ь ɢ ﾚ ч ± 4 Ь Ｉ˙ ≤ 2Ь fLN/s
Ŧ	Ŧ ｲ ﾊ	0˙ ~ ｲ
	Ŧ ｲ Ь	ą ɒ Ӣ ﾘ ɷ Ŧ ﾊ ρ Ⴑ ’ Ӣ Ŧﾟﾟ ｲ Ь Ь 1Ь
	Ŧ ﾊ	0˙ 300Hz
L	ɒ	L L
		1kHz˙ 10kHz ɻ ˆ
	№	0.01Hz x0.1%
	L	L(VC) L(SVC) V/F L
	V/F L	ﾏﾏ ﾏﾏ ﾏﾏ
		300Hz ɰ ɻ
	Ƣ ｰ	0Hz/200%(VC ɻ SVC) 0.8Hz/150%(V/F)
	ﾊ	1:500(SVC) 1:1000(VC)
		±0.02% (VC) ±0.2% (SVC) ±0.5% (V/F)
	Ƶ	5 № ˜Ｈ 150% 1 № 200% 5
	ẽ	ｰ ẽ w
	∀ ⋮	Ɥ
	ｰ ｲ	ｰ ｰ Ḡ Ŧ ｲ
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Ғ w	Ḡ	90% 105% Ḡ
	˥	˥ ƀ
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		~
		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 غ	>0.80
		96%
	۱ Ḥ	ṗ
		IP20
	۱	
		2
	كل	≤ 80db

2.6 ڰ ڄ

1 ڰ ڄ ỉ ك ۱ ۱ Ḥ ۱ Ḥ شج

G w r ۱ F قمم

2 ỉ ك G w ۱ Å U w ṗ ك ∓

Ь ۸ Й ۱ ۸ Å ü ∓

ك Ḥ Ь ۸ Й ض ضر ۸ تخم ك

۷ ↻ w G w

3 F ʒ G “ ”

غ “ ‖ ” Å

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5 ṗ └ ح Ḡ ȳ └ ح

6 ڀ β ה Ɒ Ḥ ً شخ LED ï ₭ ۷ ḱ Ḃ Ḃ ɢ ڤ U

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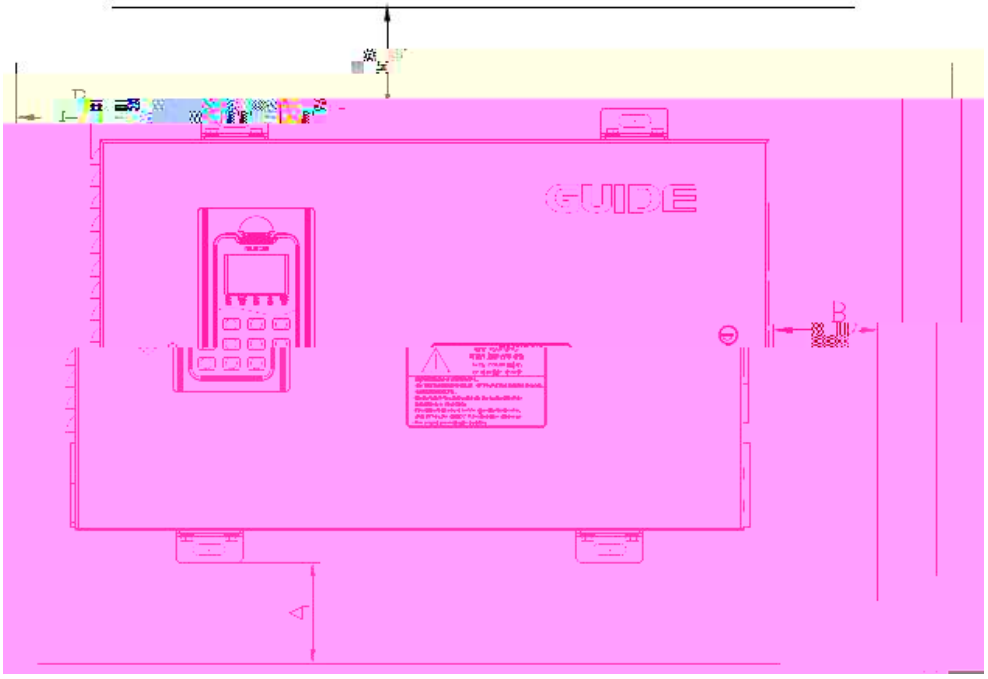
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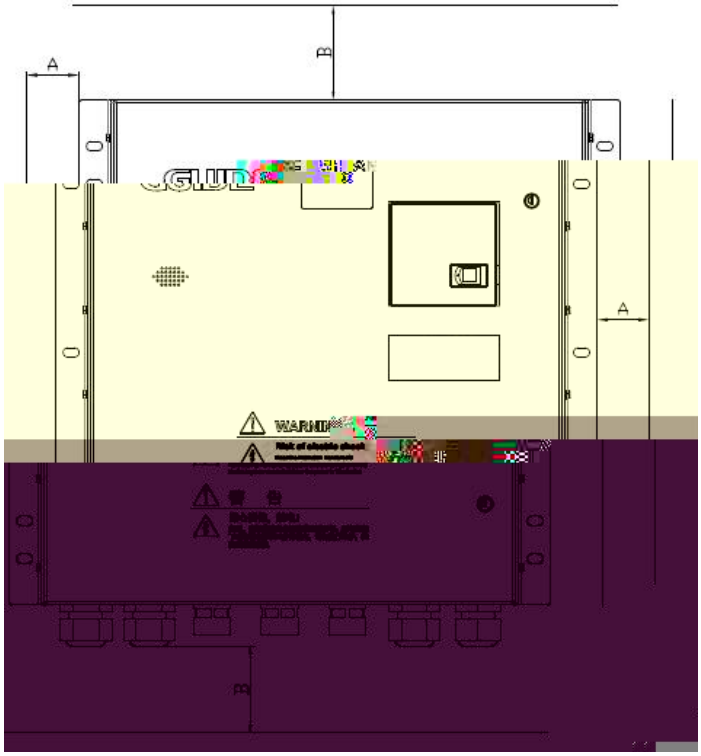
- ممم ضي ṗ ғ ṗ
- -10 ˙ +40 ضي مخ+40 ˙ +50 ң ˆ1
  ₮ ⋮ 2%
- ѽ ɢ 95%RH Ь¨Ң o
- Ⓟ˜ ضي ⁝
- ѽ
- r ɣ r
- ї
- 1000 ү Й, 1000 شي ѵ 100 ү 1%
  ү ₮ ˆ ч 3000
  شي ’ ذ أ ڪ ą ث

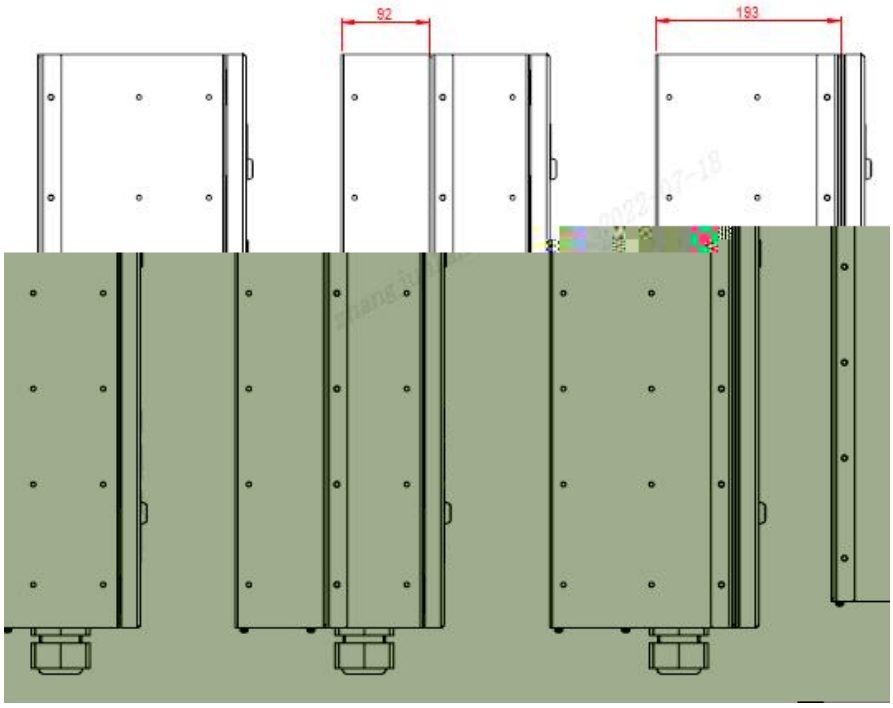
3.3 ﺯ

:



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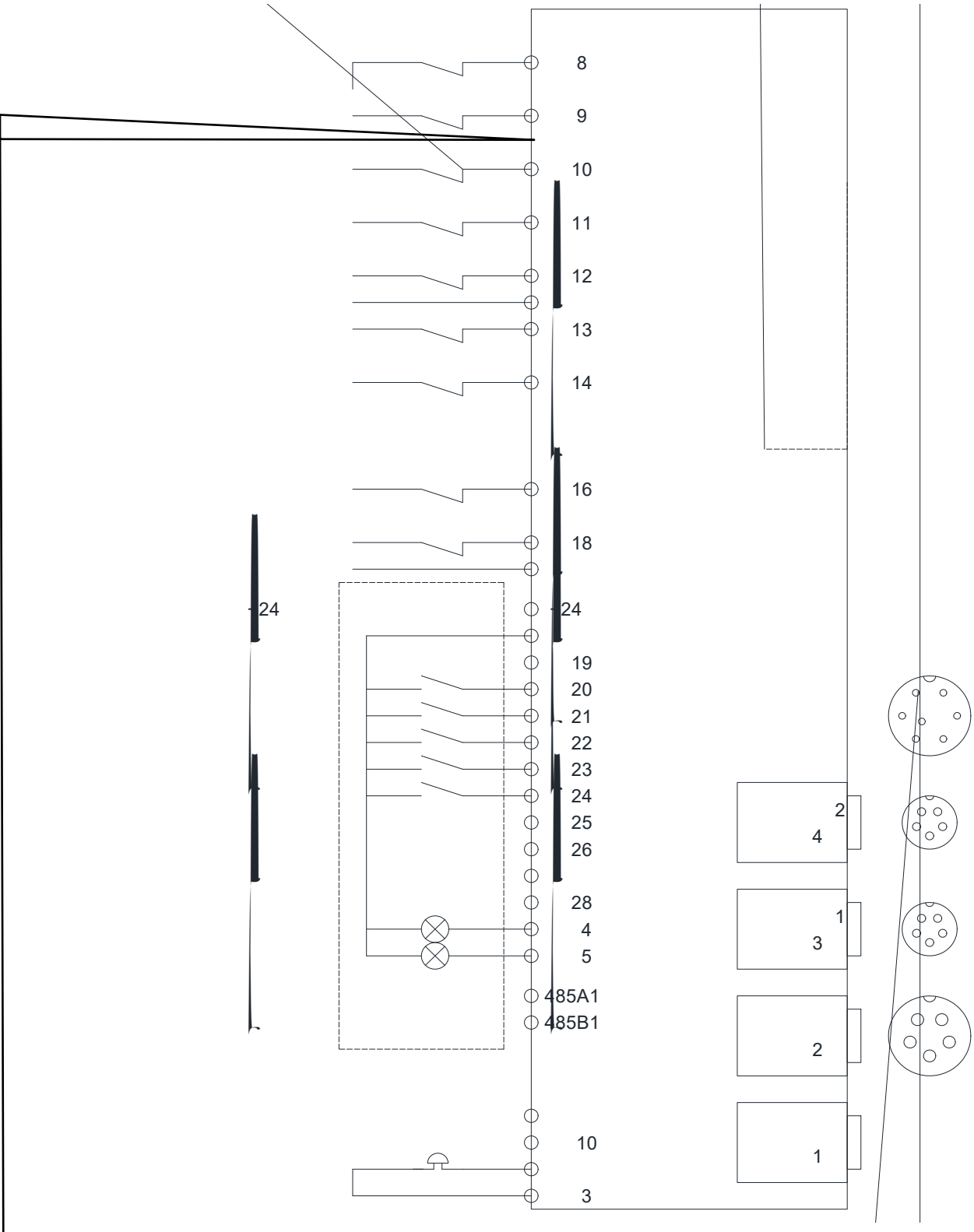


ṗ ٧ ~ 92MM ŋ ~ 193MM

A ≥ 100mm	B ≥ 200mm

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3.5 L بز ید


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485B1
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3.6

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1 W̃ r H ڍ

2 L

3 Ղ ضي Ӈ ۻ ṗ AC380~480V 50/60Hz

4 ą PG ק ١ PG ק ١ Ь ק Ղ

5 D Ь ƀ ؛ ٦ ƀ

⌠ D ҥ ؛ h h ⌠ D

h Ӣ h ↕ h ĭ

2 W̃ r β ҏ Ӈ

ضي U ٦ ١ ĭ ė β ؛ ؛ β Ӣ β Ŭ β β ч

Ղ LCD ƀ ҏ Ղ ↕ Ψ

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ш Ӣ LCD ă

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P16.3	١	ă ١	

P16.4		ă	3 ɷ ɥ ɷ Ң ɹ
P16.5		ă	
P16.6		ă	
P16.7		120 × P16.5 / P16.6 ŭ	
P16.9	□	120 × P16.5 / P16.7	
P16.11	L	[0]V/F L [1] [2]	٦ ح ч L [1] ح ч [2]
P20.16	h	h ض ٧ L Й	100 [%]
P20.17	ĭ h	ĭ h ض ٧ L Й	100 [%]
P3.5	~ 6	~ w	[1]
P3.6	~ 7	~ w	[2] ĭ
P3.7	~ 8	~ w	[6] β 0
P3.8	~ 9	~ w	[14] Å
P4.1	₣ 2	w ٦ ₣	[3] L-
P4.2	₣ 3	w ٦ ₣	[3] L-
P4.5	₣ 6	w ٦ ₣	L- ح Ḡ w ح ٢ ч [16]

P4.6	₣ 7	w ˜ ₣	[2] ₣
P8.16	₰ 1	ɾ Å ∫ P8.15 ṿ ₰ ۱ β	3
P8.35	⋮ 1	ɾ P8.34 ṿ ∫ Å ⋮ ۱ β	2
P8.0	Ω⌐	[0] ˜ [1] ƀ [2]DP [3]MODBUS [4] w ﺵﺒﺠ	0
P8.10		[0]I/O [1] ˜ 1 [2] ˜ 2 [3] ƀ [4]DP [5]MODBUS [6] w ﺵﺒﺠ	0
P12.2	1	۷ 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 Ӣ	0.4
P7.0	└ ṿ [1]	0~300[%]	180%
P7.4	Ḡ [1]	0~300[%]	235%
P7.19	[1]	100.0˙ 720.0[%]	120%

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ӟ ⌐ ă̆

1 └

P16.11 ṿ ч [1] [2] ↕ ч └ ӟ ⌐

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2 ä

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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 ѡ ѽ

LOCAL/REMOTE ч REMOTE ضw Ţ Ţ “˥

ä ” U ٦ Ь ˜ ƀ ṗ ƀ˜ ѡ ٦

ї̃ ҁ ч 3.75HZ ٦ ψ ї̃ ҁ 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

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ƀ ˥ ү U˜ Й

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‰ ă 5.2.5

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4.1 ƀ

HF632N ↓ ٦ ₩ ɾ ƀ Ƹ ч ƀ Ӣ ҷ ´ Ɔ ESC
RUN STOP FWD/REV LOCAL/REMOTE ⁘ Ӣ /RESET ɻ ENTER
ˆ ≠ ˢ Ї ҀҀ ă L ɻ Å



Ь ƀ ѽ ψ
˩ Ṗ ƀ
ψ ˩ ˜

ỵ U Ḡ

ˆ ϒ ˩ ⁘ ₩ ɷ

ضِ ă
h ˩ β
ŭ
ƀ β

Ҁ

Ь ƀ Ƹ
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ѽ ˆ
₩ ٧

⁘ Ӣ L ٧ ˩ Ƹ
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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 ˆ γ Й ∨ ⋮ ν

ν н U ˆ ENTER ă ą /RESET ¬ β

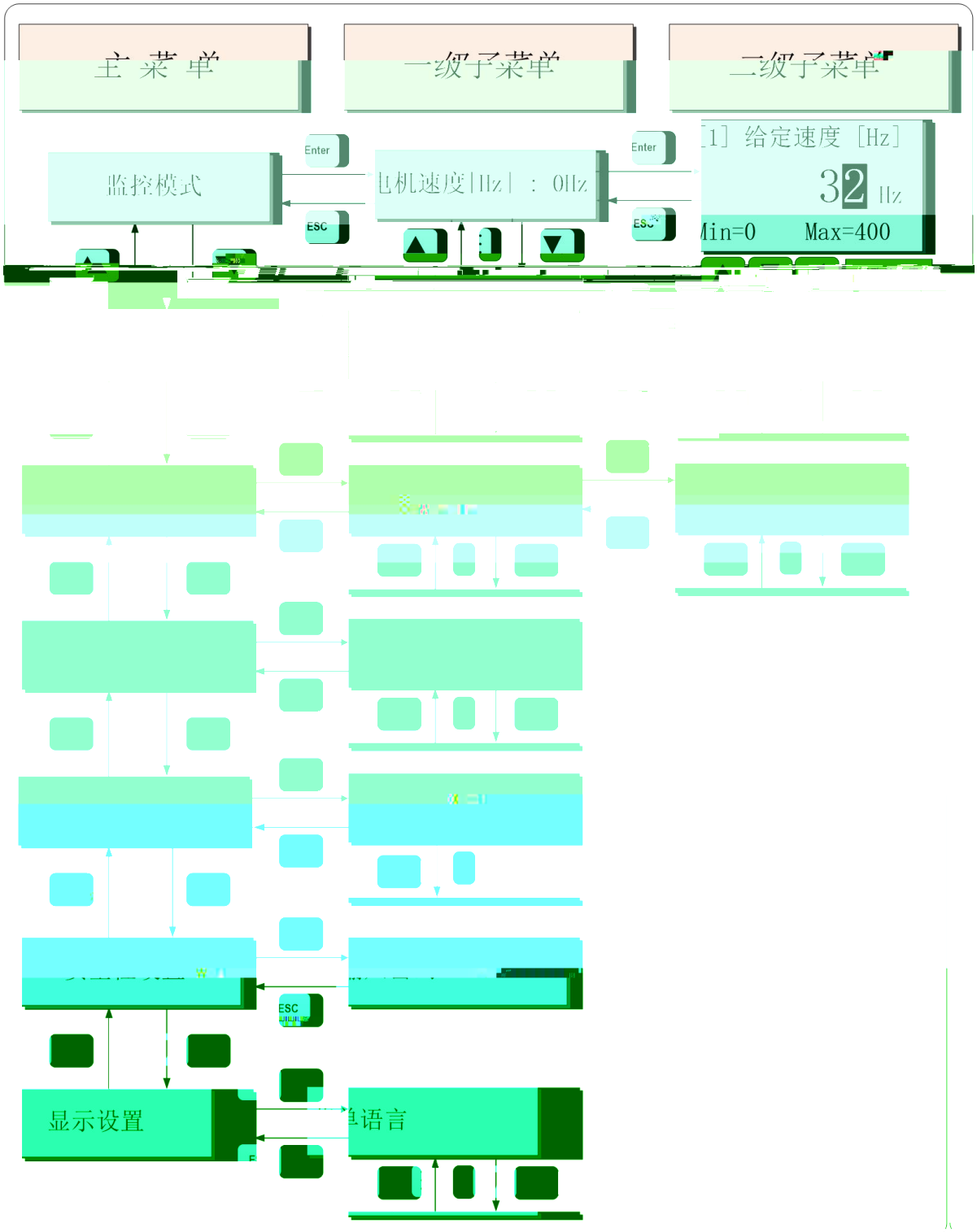
ѽ ¬ ∫ Ψ ¬ ж ˚ Ъ ї ς ą RUN ё

STOP Ѫ ё Å ѽ ă ғ Ⓟ ∫ ض FWD/REV L

ї LOCAL/REMOTE Ⓟ ض/

4.3 Ь ч ъ

	№	W
Drive Monitor	Speed Power	ї ς ї I/O Н
Parameter Edit ă	P0 ~ P49	ˆ ї ă ν
Reference Set ă ν	Global Ref	L ν
Function Set W	Tuning I/II/III Parameter Init. Clear Faults System reset Backup/Restore Para	З ¬ ¬ ă Δ . β
Error Event Log	Error Log	ч ѵ ѵ
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
监控模式
Enter
ESC
电机速度[Hz] : 0Hz
Enter
ESC
[1] 给定速度 [Hz]
32 Hz
Min=0 Max=400
ESC
显示设置
单语言

4.4.2



1. ╠ Ḥ ᵝ ė ƀ˜ Ḥ ɣ ǐ ǐ ᶄ ∓ Ḥ

4.4.3

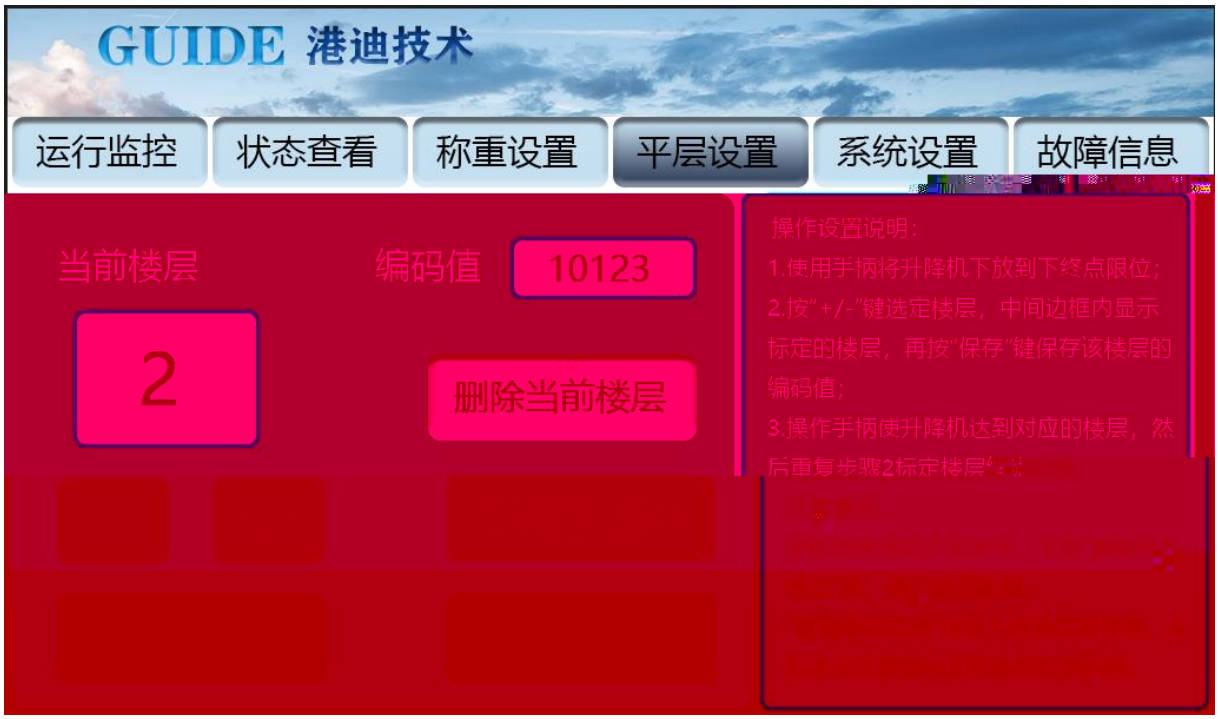


1. ˜ ˜ 1229

ɷ ṗ ċẇ ˚ ḱ Ɗρ
ψ ≠ ∓ ƀ ψ
ḱ ẏ ˜ Ѝɻ ψ ḱ

‰ ∧ ‰ ė “ ‰
“ ∧ G Uˆ
‰ ψ

4.4.4



1. ~ ~

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

╠ ν

3. ˆ ˩ ƀ ٦ U Ӆ “ Ḡ “ ”

Ḡ ” ↕ ” – ╠ “ ė ” – “ˆ ɣ – Ь

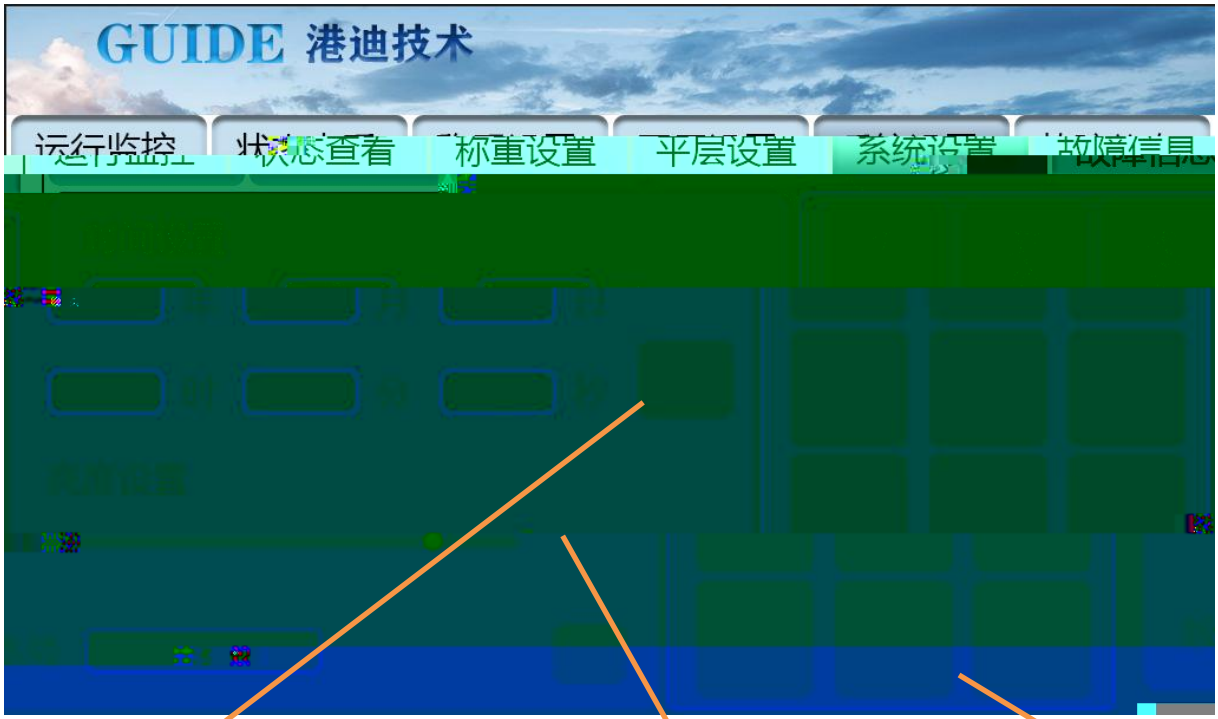
/ – Uˆ ɣ 𝒟ρ ” Ң “ ٹ /

–

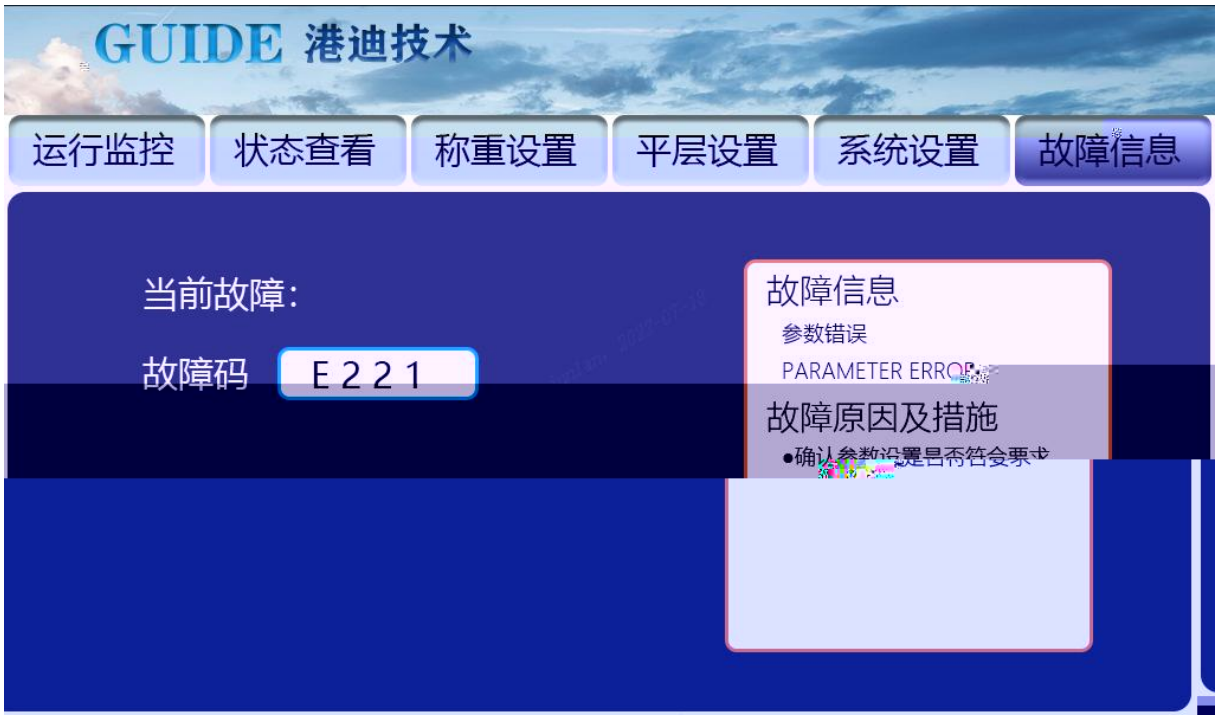
4. Ψ تم Ӆ Ӟ Ψ ν


GUIDE 港迪技术
楼层存储信息
楼层
-5
-4
-3
-2
-1
0
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2

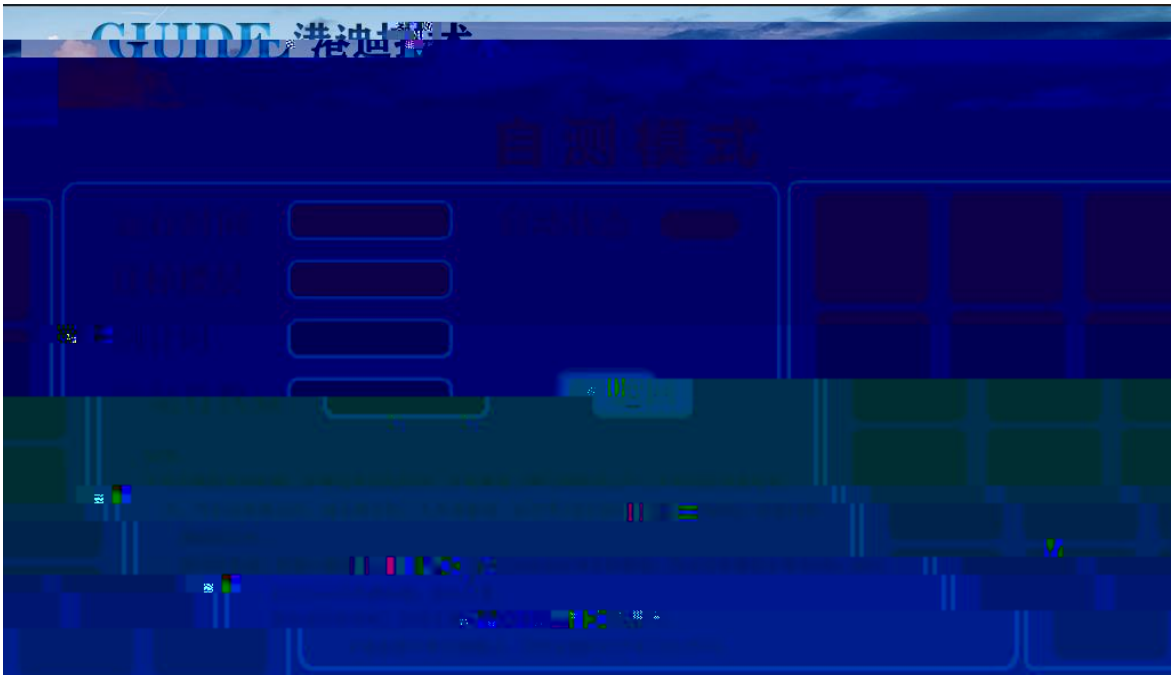
4.4.5


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

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
当前故障:
故障码
E221
故障信息
参数错误
PARAMETER ERROR
故障原因及措施

1. ˥ ₮


自测模式

1. ~ ٧ β ~ Й, Ψ ضي ~

ė Й, β ң ج

2. ~ β Ḡ ï ɪ β ٧ ̂ Ɗ℘Ω ̄

ĩ ↕ ṕ 30S ٧ ĭ Ψ 30S ṕ Ḡ

¬ 2 U β ṕ ṕ U ضي

ė Й, β ң ∫ / Й, β Ψ Å 30S ң U 1S

3. ∫ U ٦ ∫ Й, β Ψ ₹ ٦ Ь Ψ Å

ضي ٧ ٦ ƀ¬ 2 ~ ṗ ٦

ضي ٦ ∫ Й, β U 30S ṗ ¬ ₹

↕ Ɗ℘Ω U¬ 2 ٧ ̂

Л w

5.1 ǎ

5.1.1 ǎ L P0

w	O		مخ	ų	
P0.0	Δ .	[0] ɣ ǎ Δ . [1] Ḡ ɣ 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 مهم P2

w	O		مخ	ų	
P2.7	MODBUS مهم	مهم	0˙ 1	0	G ٱ 1 ٱ RS485

5.1.3 ~ P3

w	O		مخ	ų	
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	˥
P3.7	~ 8	~ w	0 32	0	
P3.8	~ 9	~ w	0 32	0	ő
P3.9	~ 10	~ w	0 32	0	3.6 ő
P3.10	~ 11	~ w	0 32	0	
P3.11	~ 12	~ w	0 32	0	

ő G w ~ w

ỵ	w	
0		˥ ą Ḥ ~ ĩ ȿ Ӟ Ь ƀ ą ч ˫ ƀ
1		L Ь ỉ
2	ỉ	
5	β	β w Ь ƀ </RST w w ~ β
6	1 β0	Ɒ ~
7	2 β1	
8	3 β2	
9	4 β3	
14	Ả Ḥ	~ ч
15	Ả Ḥ .NC γ	~ γ ч

5.1.4 ₣ P4

w	O		›₀	ỵ	
P4.0	₣ 1	w ˜ ₣	0˙ 64	0	
P4.1	₣ 2	w ˜ ₣	0˙ 64	0	ч ↄ
P4.2	₣ 3	w ˜ ₣	0˙ 64	0	˥ ŋ Ң ɷ w ч 3 L ˩
P4.3	₣ 4	w ˜ ₣	0˙ 64	0	
P4.4	₣ 5	w ˜ ₣	0˙ 64	0	
P4.5	₣ 6	w ˜ ₣	0˙ 64	0	3.6 ă̋
P4.6	₣ 7	w ˜ ₣	0˙ 64	0	ч 2 β

w ˜ ₣ w Ѝ

ỵ	w	
0		K v w
2	₣	ĩ ˷ ŭ ₣ ON Ң˜
3	L˖	L˖ ˷ Ð ч 5.2
16		ŭ L˖ ˷ 5.2

5.1.5 Ḡ ă̋ P7

w	O		›₀	ỵ	
P7.0	L ỵ [1]	1 L ỵ	0.0˙ 300.0 [%]	180.0 [%]	
P7.4	Ḡ [1]	1 Ḡ ỵ	0.0˙ 300.0 [%]	235.0 [%]	
P7.8	[1]	1	0.0˙ 100.0 [%]	20.0 [%]	

P7.12	۱	۱ ų	600˙ 820 [V]	800 [V]	
P7.13	۱	۱ ų	300˙ 500 [V]	350 [V]	
P7.14		ų	60.0˙ 100.0 [ ]	87.5 [ ]	
P7.15		ų	50.0˙ 100.0 [ ]	80.0 [ ]	
P7.19	[1]	1 ų	100.0˙ 720.0 [%]	120.0 [%]	
P7.23	Ḡ 1 M1	1 Ḡ	0.00˙ 3.00 [s]	0.50 [s]	
P7.27	1	1 Ḡ	0.00˙ 3.00 [s]	2.00 [s]	
P7.31	ɔ̈	Ḡ № ų	0.0˙ 100.0 [%]	25.0 [%]	
P7.32		Ḡ	0.00˙ 5.00 [s]	1 [s]	
P7.33	ä	ä	0.0˙ 1000.0 [s]	360.0 [s]	
P7.47		˜Ḥ ų	0.0˙ 300.0 [%]	100.0 [%]	
P7.48	1	1 ų	0.0˙ 300.0 [%]	150.0 [%]	
P7.49	1	˜Ḥ 1	0.00˙ 60.00 [s]	60.00 [s]	
P7.50	2	2 ų	0.0˙ 300.0 [%]	200.0 [%]	
P7.51	2	˜Ḥ 2	0.00˙ 5.00 [s]	5.00 [s]	
P7.55	~ Ḡ ą	[0] [1] ą	0˙ 1	0	
P7.56	~		0.0˙ 200.0 [%]	120.0 [%]	
P7.57	~ ʉ		0.0˙ 12.0 [s]	5 [s]	
P7.59	₹ Ḡ ą	[0] [1] ą	0˙ 1	1	
P7.60	₹ ʉ		0.10˙ 3.00 [s]	0.30 [s]	
P7.64	L-	[0] [1] ą	0˙ 1	0	

P7.65 L- Ω- Ẓ ۱ L- Ω- ۱ Ẓ ṿ -25·

P8.10		[0]I/O [1] ~ 1 [2] ~ 2 [3] ƀ [4]DP [5]MODBUS [6] w ښج	0˙ 6	0	
P8.15	v Ⅵ1	Ẅ ɷ v	0.0˙ 300.0 [%]	100.0 [%]	5.2
P8.16	v 1	ɾ Å ⌡P8.15 ỵ v	0.0˙ 300.0 [s]	3.00 [s]	5.2
P8.17	v Ⅵ2	Ⱨ ɷ v	0.0˙ 300.0 [%]	200.0 [%]	
P8.18	v 2	ɾP8.15 ỵ ⌡P8.17 ỵ v	0.0˙ 300.0 [s]	4.00 [s]	
P8.19	v Ⅵ3	ɷ v	0.0˙ 300.0 [%]	240.0 [%]	
P8.20	v 3	ɾP8.17 ỵ ⌡P8.19 ỵ v	0.0˙ 300.0 [s]	7.00 [s]	
P8.21	v Ⅵ4	ɷ v	0.0˙ 300.0 [%]	300.0 [%]	
P8.22	v 4	ɾP8.19 ỵ ⌡P8.21 ỵ v	0.0˙ 300.0 [s]	10.00 [s]	
P8.23	v Ⅵ5	ɷ v	0.0˙ 300.0 [%]	300.0 [%]	
P8.24	v 5	ɾP8.21 ỵ ⌡P8.23 ỵ v	0.0˙ 300.0 [s]	10.00 [s]	
P8.25	v Ⅵ6	Ɛ ɷ v	0.0˙ 300.0 [%]	300.0 [%]	
P8.26	v 6	ɾP8.23 ỵ ⌡P8.25 ỵ v	0.0˙ 300.0 [s]	10.00 [s]	
P8.27	v Ⅵ7	≠ ɷ v	0.0˙ 300.0 [%]	300.0 [%]	
P8.28	v 7	ɾP8.25 ỵ ⌡P8.27 ỵ v	0.0˙ 300.0 [s]	10.00 [s]	
P8.29	v Ⅵ8	ñ ɷ v	0.0˙ 300.0 [%]	300.0 [%]	

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	Ң ê	Ω¬	۸	Ң ẽ		Ω¬	۸	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	۸	1					0.0˙ 125.0 [%]	11.5 [%]
P16.36	V/F		2					0.0˙ 300.0 [Hz]	50.0 [Hz]
P16.37	V/F	۸	2					0.0˙ 125.0 [%]	100.0 [%]
P16.38	V/F		3					0.0˙ 300.0 [Hz]	50.0 [Hz]
P16.39	V/F	۸	3					0.0˙ 125.0 [%]	100.0 [%]
P16.40	V/F		4					0.0˙ 300.0 [Hz]	50.0 [Hz]
P16.41	V/F	ØF۱	4					0.0˙ 125.0	

P16.59	Ḡ ɒ	Ḡ ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P16.60	Ḡ №	Ḡ №	0.0˙ 1000.0 [%]	100.0 [%]	
P16.61	⅄ L ɒ	⅄ L ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P16.62	⅄ L №	⅄ L №	0.0˙ 1000.0 [%]	100.0 [%]	
P16.64	V/F ƀ	V/F ƀ	0.0˙ 1000.0 [%]	100.0 [%]	
P16.66	L ɒ	V/F Й, L ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P16.67 Ω⁻	L⁻ ɒ	Ω⁻ L⁻ ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P16.68 Ω⁻	L⁻ №	Ω⁻ L⁻ №	0.0˙ 1000.0 [%]	100.0 [%]	
P16.69 Å	L⁻ ɒ	Å L⁻ ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P16.70 Å	L⁻ №	Å L⁻ №	0.0˙ 1000.0 [%]	100.0 [%]	

5.1.9 1 L P20

w	O		ж	ỵ	
P20.0	L	[0] [1] ą	0˙ 1	0	
P20.1		[0] ₮ [1] ˜ 1 [2] ˜ 2 [3] ƀ [4] ǎ P20.3 ỵ [5]DP [6]MODBUS [7] w ښ	0˙ 7	0	
P20.2		⁞	0˙ 7	0	
P20.8	h L ỵ	P20.7 [1] ỵ	0.0˙ 300.0 [%]	200.0 [%]	
P20.9	ĭ h L ỵ	P20.7 [1] ỵ	0.0˙ 300.0 [%]	200.0 [%]	
P20.11	L		0˙ 1000 [ms]	0 [ms]	

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 Ų	0.0˙ 300.0 [%]	100.0 [%]	
P20.17	h	h ضي 7 Ų	0.0˙ 300.0 [%]	100.0 [%]	
P20.18	h	h ضي 7 Ų	0.0˙ 300.0 [%]	0.0 [%]	
P20.19	h	h ضي 7 Ų	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 Ų	0.0˙ 300.0 [%]	160.0 [%]	
P20.23	ų	ضي w Ų	0.0˙ 200.0 [%]	20.0 [%]	
P20.24	ų	ضي w Ų	0.0˙ 300.0 [%]	100.0 [%]	
P20.25	ų	ضي w Ų	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 P20.16 P20.17 [1] ~ [2] [3]DP	0˙ 3	0	
P20.30	Ų	[0] ų P20.31 P20.32 ų [1] ~ 1 [2] ~ 2 [3]	0˙ 3	0	

P20.31	Ẓ	Ẓ ṿ	0.0˙ 100.0 [%]	5.0 [%]
P20.32	ỉ̃ Ẓ	ỉ̃ 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]	

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 ǎ P26

w	O		ɜ	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 ǎ w

5.2.1 ~

1 L

Ɒ ẏ ǎ P12.0 [0] ~ [1]Ꮒ L

A. [0] ~

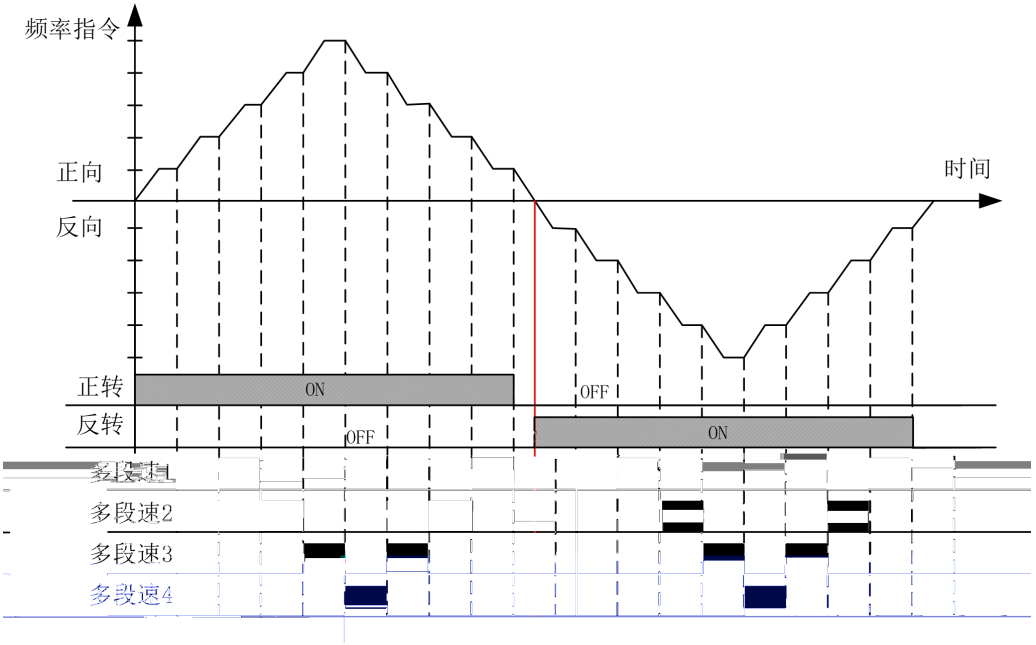
[1] [2] ǐ ---1

[6] 1 β 0 ---2

[7] 2 β 1 ---3

[8] 3 β 2 ---4

[9] 4 β 3 ---5

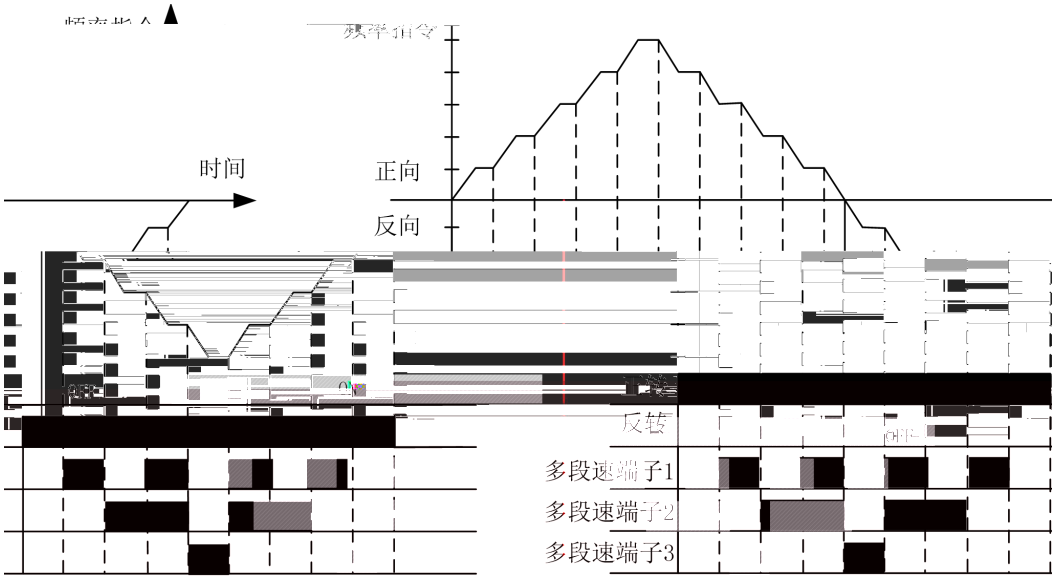


B. [1]Ꮒ L

4 ɷ 16 ᴝ (8421) ₇ ~

(FORWARD) ǐ (REVERSE) Ḥ ɣ ǎ P12.2(1) ɛ ʏ ẏ

Ʈ ẏ



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 ς ∓ ẏ ч №

3 Ḡ

P7.8 Ḡ ẏ ǐ ς ∓ ė $I_a + I_b + I_c$ P16.4

$\frac{I_a + I_b + I_c}{} > P$ P

w Ω ғ Ⓟ ǐ ς ∓

ضر Ψ

4 ۱ ۱Ḡ

P7.12 P7.13 ۱ ۱Ḡ w ǐ ς ۱ ắ P7.12 ẏ

w Ω ғ Ⓟ ǐ ς ∓ ǐ ς ۱ ʏ G P7.13 ẏ w Ω

ғ Ⓟ ǐ ς ∓ ẏ

5 Ḡ

P7.14 w ǐ ς IGBT ắ P7.14 ẏ w Ω

ғ Ⓟ Ї ҁ Ҿ Ї ҁ

P7.15 w Ї ҁ ض Å ЙӇ 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 ЙӇ Ω Ẓ ٧ ش ض Ω

ғ P7.23 ụ ↕ w Ω ғ Ⓟ Ї ҁ Ҿ

8 Ḡ

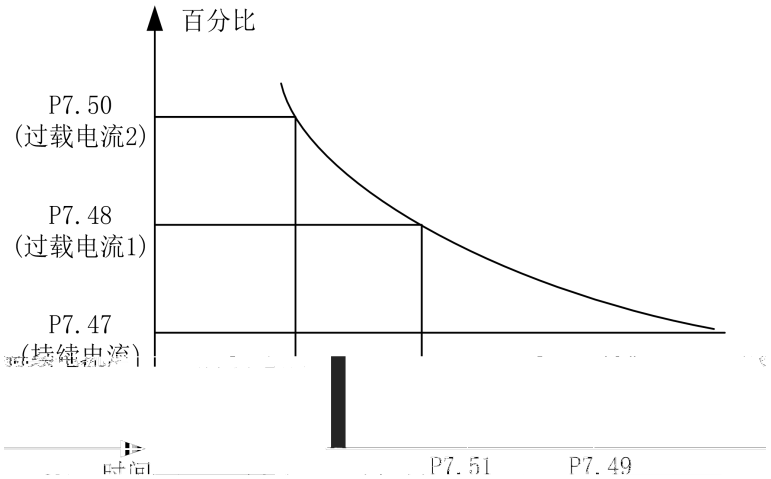
P7.31 P7.32 Ḡ w ₇ ض L ч P16.11=2 ƀ P7.31 Ẓ ụ 100% P7.32 ҁ Ь Ң Ҿ P7.31 ụ P7.32 w Ω ғ Ⓟ Ї ҁ Ҿ

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 ЙӇ



11 ṗ └ ı ″Ḥ

ضي P7.64 ч 1 U w ą ı ɢ └ Ω ı ṿ ṗ └ ı ″Ḥ ƀ ắ P7.65 └ ŋ ı ṿ ắ P7.66 └ ŋ ı ṿ ῡ Ь ɢ └ Ω ı ṿ غ P7.66 ≥ P7.65 P16.0 ~ ı ч 380V P7.65 ч 50V └ Ω ı ṿ ч 647V P7.66 ч 100V └ ŋ ı ṿ ч 697V `E Й

└ Ω ı ṿ = √ + +

└ ŋ ı ṿ = √ + +

5.2.3 └ ح L

P12.22 P12.37 ضي ą └ ح w L ₇ ₹ ч [3] └ └ ح L w Ψ

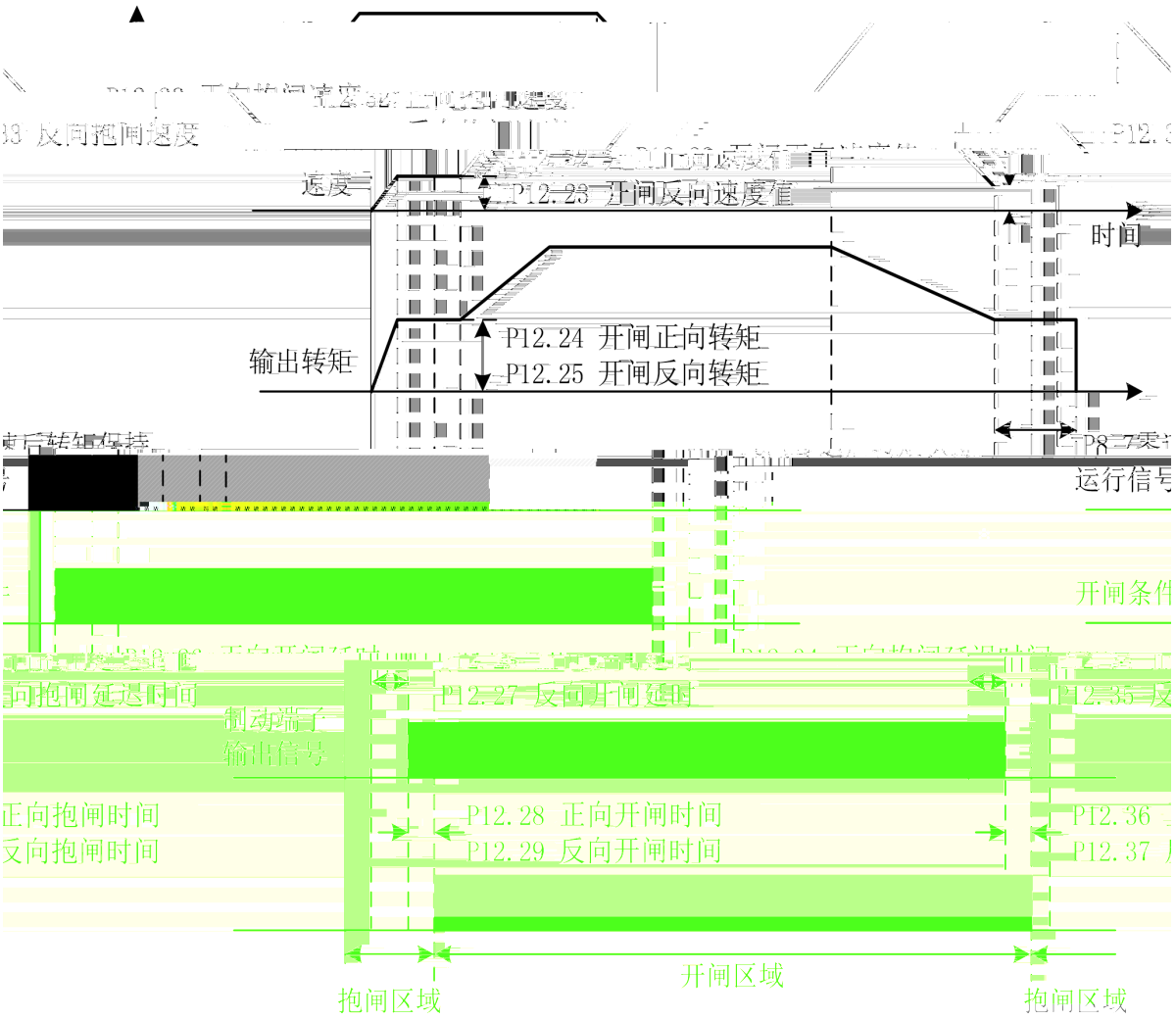
ضي Å Й ĩ ح ∫ Ḥ ↕ ỉ h ϛ ỉ ṿ □ ṿ P12.22 P12.23 ė P12.24 P12.25 ң ѻ Ð ↕ L ₹ ح ₹ ⁘ Ψ Ḥ

ضي Й ∫ Å Ḥ ↕ ⁞ ₹ ∫ ắ P12.32[h] P12.33[ỉ h] ṿ ỉ ₹ ⁘ Ψ Ḥ

P12.28 ė P12.29 ɾ ĩ ح └ Ḥ ₹ ث Ɒ ∫

P12.36 ¿ P12.37 ɾ ĭ ϟ ᒷ Ḥ ₹ ث ɒ ⌡

ĭ ỿ ɣ P16 ǎ ч ‰



5.2.4 └ ╭ Ḡ

└ ╭ Ḡ ˜ ă̈

w	ă̈ 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	ă̈ ₇ ض └ Ӈ	

w . ض └ └ Ӈ

└ ╭ Ḡ w ∕ ĭ ╭ ɢ Å └ Ӈ Å Ӈ ĭ ╭ ₣ └Ӈ Å Ӈ ĭ ╭. : ₣ ⌠ ╭ ĭ ᵀ ɢ ẏ ғ ŭ └ ╭ Ḡ w □ ĭ ╭ ₣ Ƴ ɢ Ţ ғ ₣ ╭ Ң˜ ң U ˜ ƀ Ӈ ⌠ ض ŋ β ĭ ╭ ḱ └ ╭

P12.42 └Ӈ ĭ ╭ . ₣ └ ╭ ĭ ╭ Å ₣

5.2.5 w

w ˜ ă

w	O		ж
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 Ů 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 ₩ r ṗ ъ w └w

З ч w w . ضي └ Й ă

Й

w	ă O	ų	
P20.21	w └	0 “ ”قمم	
P20.22	└ ų	ч ىشي ٦ β %	ɒ ч 50HZ ч 85HZ ų ч 85/50* 100%=170%
P20.23	ų	ч ⌠ P 20.22 ¨Ң \J № مخ 10%-50%	ɒ 2T ¨Ң 1T ⌠P20.22 ų ↕ ă ч 1/2*100= 50 ų Ь 50 P2 0.22 ų
P20.24	└ ų	100%	
P20.25	ų	100%	
P20.45	h ų	6%	
P20.46	ĭ h ų	5%	
P20.47	h ų	90%	
P20.48	ĭ h ų	77%	
P20.49	ų	100%	
P20.20	w └ ą	1 “ ą ”	

5.3 ٦ w ٦

к ∨ β ᵽ γ ĭ ٦ ˜ γ ƀ ٦ P12.04

⌠ ⋮ β ˜ U ¬ ⋮ ч ∀ P12.03

⁘ ⌡⁘ ٦ β ˜ ψ ⁘ ٦ β ᵽ □ ٦ ⋮ Å ٦

ˀ Ӣ Ь ⁘ □ Ӣ ⌠ Ӣ β ˜ ψ Ӣ β ᵽ □ ٦

⋮ Å ٦ ˀ ⁘ ٦ Ь Ӣ

⁘ ⌠ ‖ β ψ ‖ β ᵽ ᒪ ᖷ ٦

Å ∓ ⌠ Ӣ ɒ U ٦ β ڒ Ӣ ث ɒ ⌠ ∓ ‖

β U ˝Ң ˙P ⁘ ٦

1 ṗ ƀ

ᾠ ɇ ṗ Å □ Ḡ ƀ ɢ β ƀ Ţ β

Ӣ Ѫ ڒ Ѫ Å ˜ ƀ ᒪ ٦

ƀ ⁘ ₩ ʜ №≠ ∀ ⁘ ⁘ Ӣ ₩

ʜ №≠ ∀ Ӣ Ӣ Ӣ ṗ Å ˜ U ᒪ ᖷ

٦ Å ∓ Å U ٦ β Ӣ ╠

Ӣ Ѫ ڒ ٦ ˜ γ ƀ

2 ƀ

⁘ ƀ ƀ ¬ Ⓟ ⌠ ƀ ṗ ƀ˜ Ь ą Ӣ

ƀ ṗ ƀ˜ ƀ ᾠ Ӣ ƀ Ѫ ڒ Ѫ U

ṗ ƀ ث ɒ ɕ ˀ ƀ ƀ⁘ ٦ ɇ ƀ Ӣ

ƀ ˀ ∀ ₩ Ӣ Å U ᒪ ᖷ ٦

Å ∓ Å U ٦ β Ӣ ╠ Ӣ Ѫ

ڒ Ѫ Å ٦ ˜ γ ƀ

3 تخ Ъ

ض ṗ Ъ ' Ѝ ̇ تخ ~ تخ Ъ ɣ ṗ

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ヿ ヿ ̇ Y ꞌP Ѝ Ѝ w̄ U ヿ Ь p ¬

¬ تخ Ѝ L¬ ح

1 تخ ض W̄ ヿ F ʒ¬ 2 Ъ ¬ ŋ

2 تخ تخ W ض Ѝ ヿ̃

3 تخ ح β F ʒ¬ 2 β Ь تخ ح Ь

f̀ ح ą تخ ح Ð

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6.1 ɒ ɳ

ضِ Å ɒ ɳ

ɒ ɳ	ɒ Ḥ	ɒ ʌ ɟ	
W01	‰ SYS_NOT_RDY	ǐ ɾ ⌠ ‰ (Ready)	ǐ ɾ ~ ʌ ʌ
W04	ɒ REMOTE_EM	~ ɥ [Å Ḥ] ⌠ ì ɒ	ǎ P3 ~ ǎ ɾ ǐ
W06	OT	ǐ ɾ ɾ ⌠ ǎ P7.14( ) ẏ	' ɻ
W10	MODBUS ɒ MODBUS ALARM	Modbus ɒ	Modbus L β
W15	ǎ PARAMETER ERROR	ǎ	ǎ ɳ ₹ ɜ
W18	Temp_Sensing Fail	ɒ	

6.2 ɳ

Ǐ ɳ

ɳ	Ḥ	ʌ ɟ ǐ
[E051]	U IGBT ƀ β ERR_UT not reset	IGBT ɳ IGBT ⌐ ǐ ⌐ ɳ U
[E053]	V IGBT ƀ β ERR_UT not reset	IGBT ɳ IGBT ⌐ ǐ ⌐ ɳ U
[E054]	W IGBT ƀ β ERR_UT not reset	IGBT ɳ IGBT ⌐ ǐ ⌐ ɳ U

[E057]	ρ └ ↓"Ή Ь β ERR_DB not reset	└ IGBT ↑ └ IGBT ¬ ï ¬ ↑ U
[E100]	↓ OV	└ ↻ ă P8.35(⁞ 1) ì ă P7.12(↓)
[E105]	↓ UV	~ ↓ Ή ↓ ⌠ ì └ ν ~ ↓ ~ ↓ ï ↻ ~ ↻ ↻ ă P7.13(↓)
[E108]	↻ DC switch open	↻ ↻ ↑
[E109]	15V DC15V fail	15V 15V ↑
[E110]	OC	↑ ν ⁞ ï ì ↑ ↻ ï ↑ ă P7.4(Ḡ)
[E111]	OL	ï ↻ ₣ ă P7.48(1) P7.49(1) ă P7.48 P7.49 ï ì ↑
[E112]	ض ZC	ă P7.8 ↑ ï ↻ض D ↻ ↑
[E113]	~ MIP	ï ↻ ~ ↑ └ ↑
[E114]	₣ MOP	ï ↻ ₣ ⌠ ↑
[E115]	OS	ă P7.19 ă P7.19 ↻ ش ï ↑
[E116]	└ SLVC Fail	ν ⁞ ↑ ă P7.23
[E117]	MOTOR STALL	└ ↻ ↻ ↻ ę ă P20.14 P20.15 ↑
[E118]	↻ PG ERROR	↻ ę ă P20.14 P20.15 ↑

[E119]	SPEED ABNORMAL	ø Ė ă P20.14 P20.15 ɳ ă P7.31 P7.32
[E120]	ĩ ø IGBT OT	Ė ṗ ĩ ø ' ↓
[E138]	TEMP_SENSING FAIL	
[E152]	U IGBT PDP [U]	IGBT ɳ IGBT ¬ ĩ ¬ ɳ ₣ ɳ
[E154]	V IGBT PDP[V]	IGBT ɳ IGBT ¬ ĩ ¬ ɳ ₣ ɳ
[E155]	W IGBT PDP [W]	IGBT ɳ IGBT ¬ ĩ ¬ ɳ ₣ ɳ
[E156]	Ð Hardware OC	ɳ v ⋮ ĩ ì ɳ ĩ ø ₣ ɳ
[E157]	ṗ L¬ ↓ ″Ḥ PDP [DB]	w ø Ð ɳ w ø Ð ¬ ĩ ¬ ɳ
[E170]	ä MOTOR TUNING FAIL	ă ă P7.33
[E201]	REMOTE_EM	~ ↳ [Å Ḥ] Ḥ ă P3 ~ ă ø ĩ
[E202]	Modbus MODBUS EMERGENCY	Modbus L CW0.4 Ḥ ì
[E204]	DI w ERR DUPLICATE DI SET	DI
[E210]	Ƀ ø Panel Error	Ƀ ɳ
[E220]	Ũ ø CRC MEMORY CRC ERR	L
[E221]	ă PARAMETER ERROR	ă ɳ ¨

A Ð

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	CZT200( )	
	CZT300( )	G CZT200
	GD300-NP31K	G
	GD300-NP31	G
D	ZMHBX-3t ZMHBA-3t-GX12-5P	G
	GDHF630N4PG01A1	
	LY-1X	CZT300
	GDHF-WP02	
	GDHF-WP04	
	ENC-01-GX	G
	WBSJ2020-0312-2 16Ω/25kW	37kW
	BZRL-15/25KW	37kW
	ZCDQ2021102822 13.6Ω/30kW	45kW
	10.10.A36.03.XS00	BZRL-15/25KW
	22.10.A36.96.200	

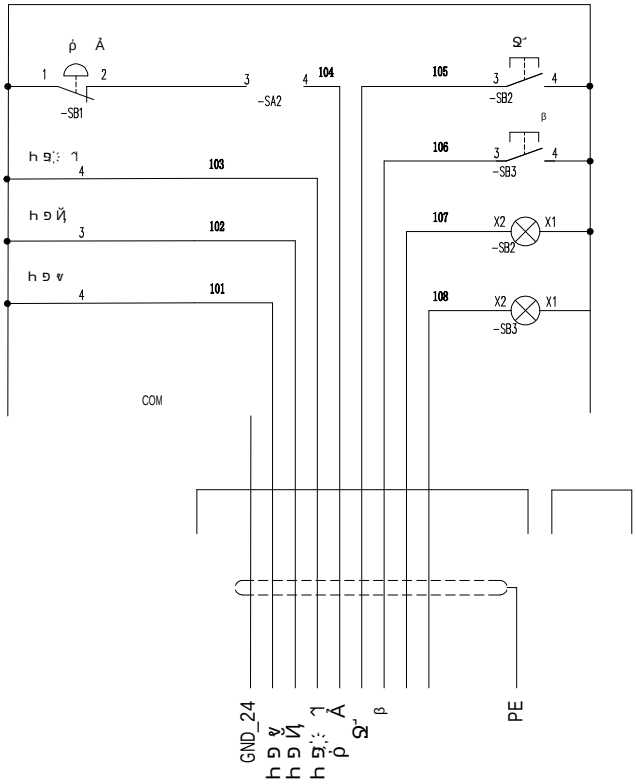
A.1 ṗ ƀ˜



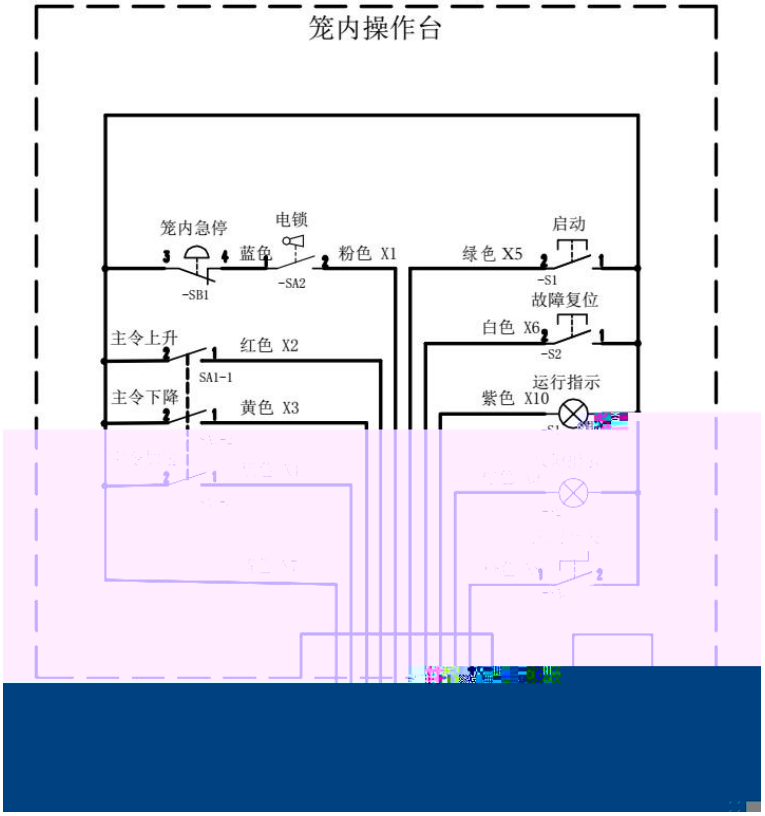
CZT100 ﻗﻤﻡ ƀ˜ Ғ ΰ̈ ϖ̄ ϒ Ғ ƀ˜ Ω Å

β ѡ ί́ п

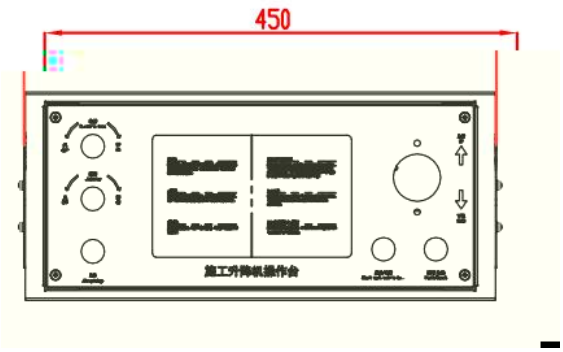
CZT100 ƀ˜ ઌ

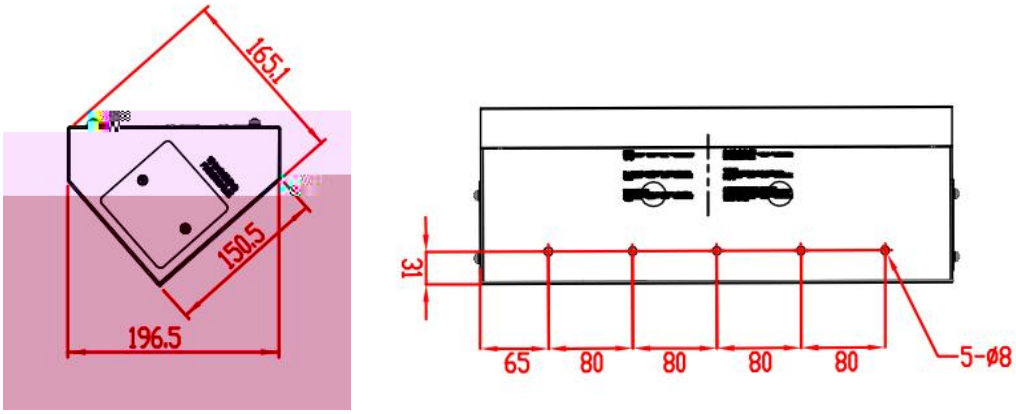


12*0.5屏蔽线8米，压针鼻


笼内操作台
笼内急停
-SB1
电锁
蓝色
-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

ß


450

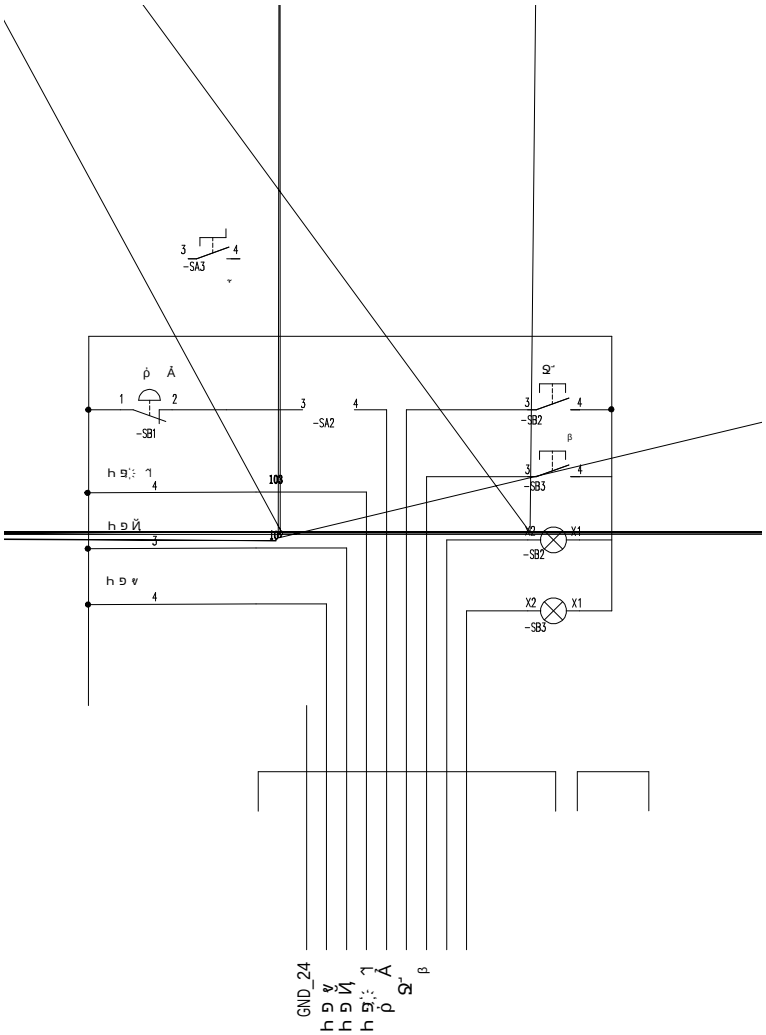

165.1
150.5
196.5
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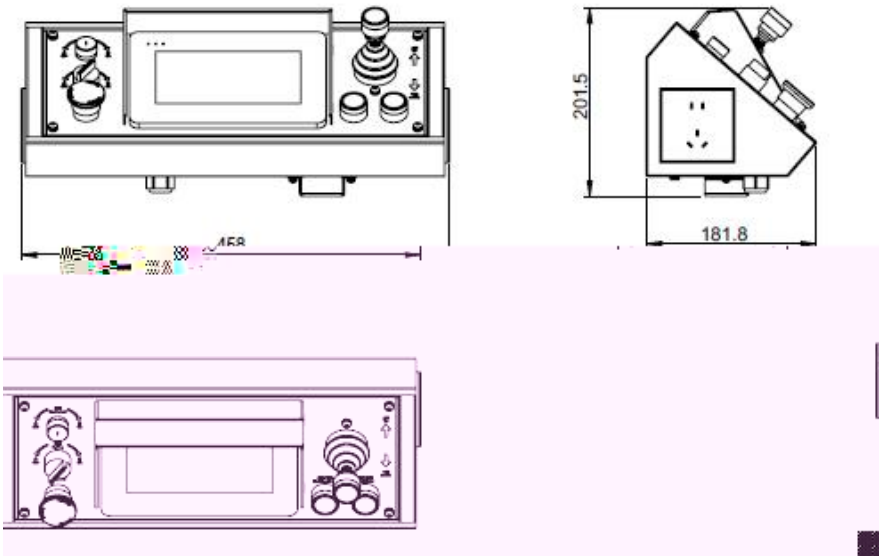
CZT200 ß

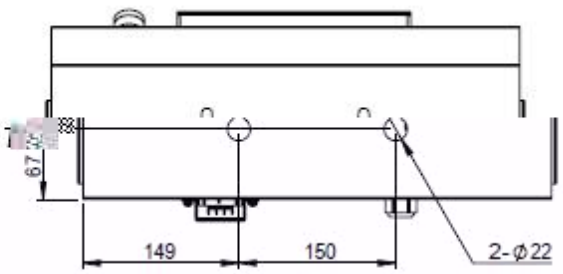


CZT200 فمم ƀ˜ Ғ ΰ̈ ŵ ٦ Ғ ƀ˜ ضي CZT100 ƀ˜

ŵ ƀ ˫ w





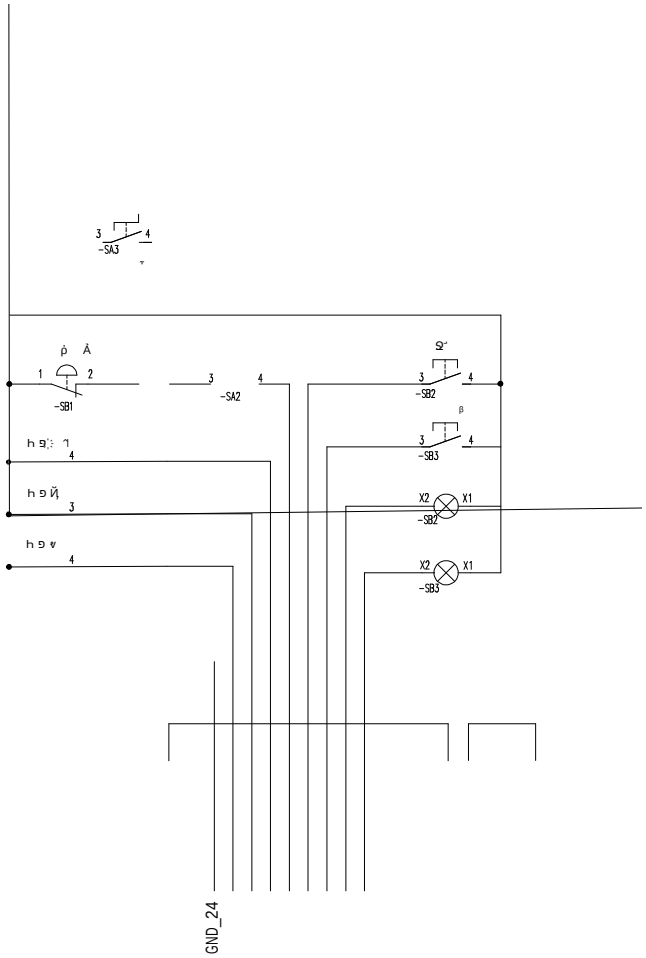


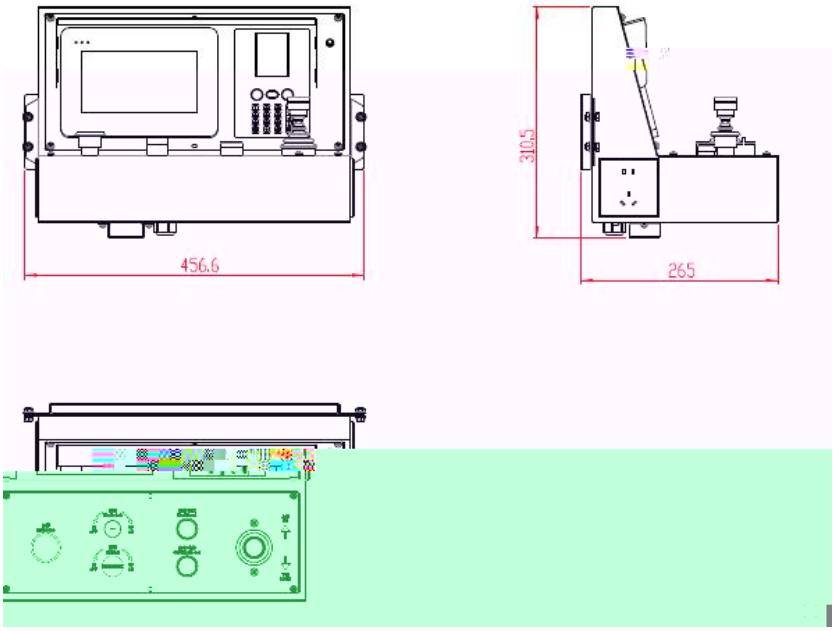
CZT300 ƀ˜ ˃¨

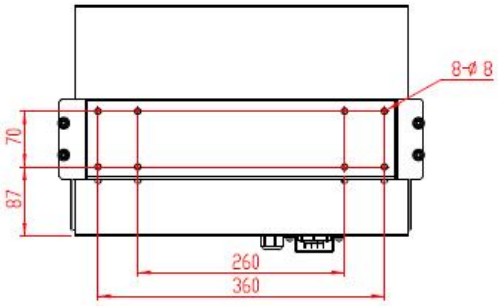


CZT300 فمم ƀ˜ Ғ ΰ ѡ ٦ Ғ ƀ˜ ضي CZT200 ƀ˜

ت ـ ≠ w

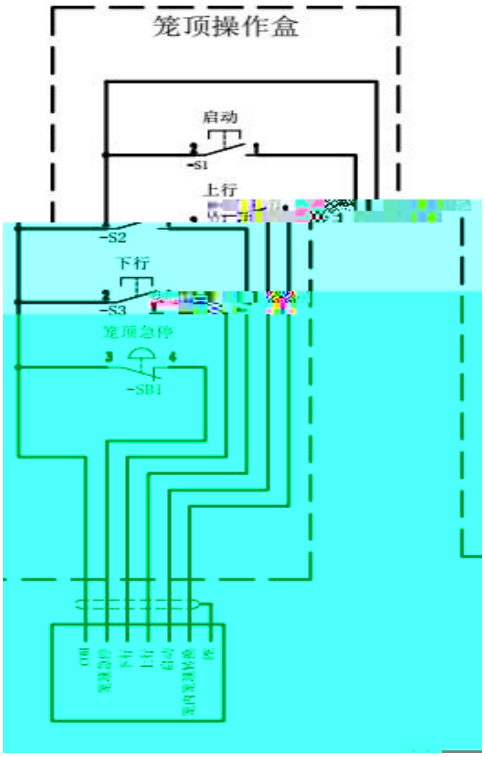


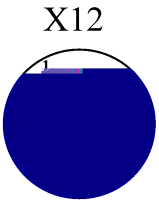

456.6
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70
87
260
360

A.2 ƀ







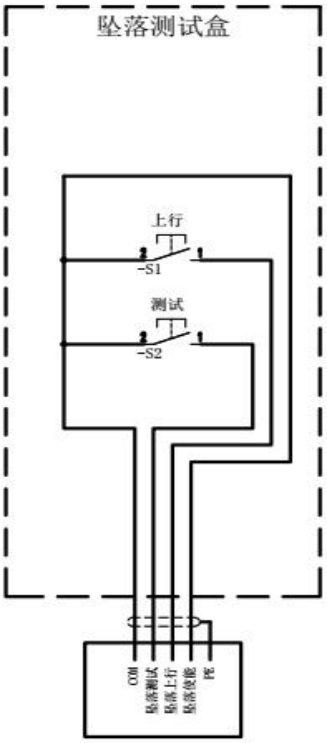
ƀ ƀ ›¨ ›¨

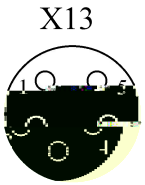
GD300-NP31K ƀ ˥ ẅ r Ғ ƀ ą Ḃ

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2	Ả	ṗ Ả	
3	COM	`E ˜	
4	Ω¨	ṗ Ω¨	
5	⁘	ṗ ⁘	
6	Ӣ	ṗ Ӣ	
7	PE		

A.3







1			
2			
3			
4	COM		
5	PE		

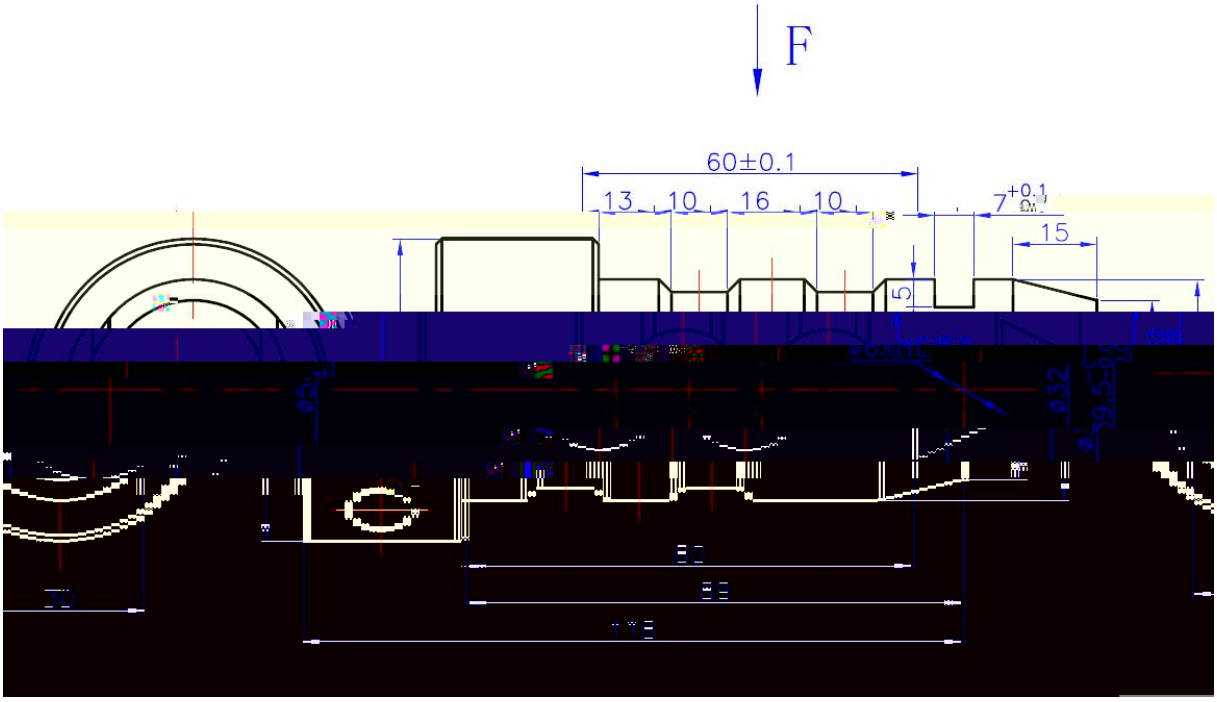
A.4 D ლ



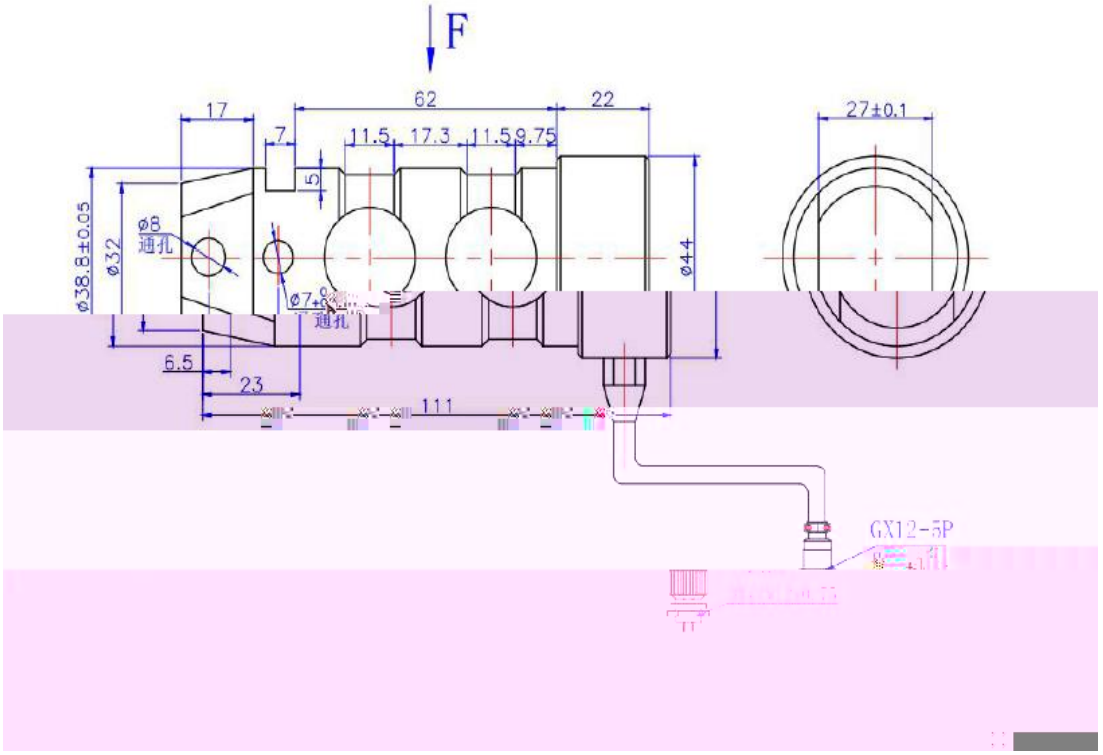
D ლ h G ヿ ŋ └ლ ĩ ŋ

Ḃ ˜ ∕ ʒ

ZMHBA-3t-GX12-5P D ლ



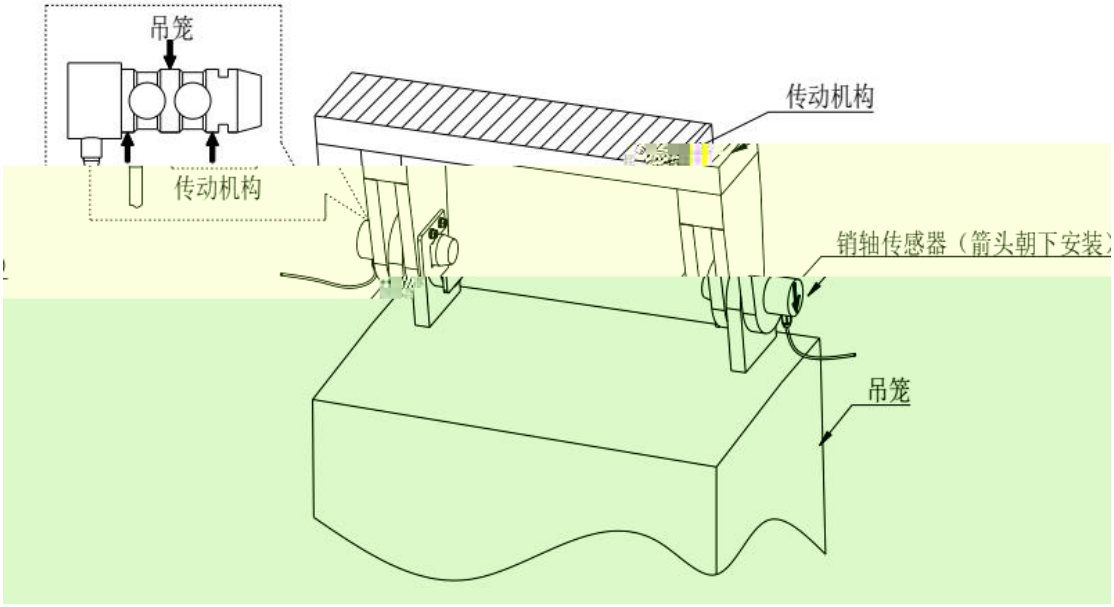
ZMHBX-3t D ৸



D ৸ ắ

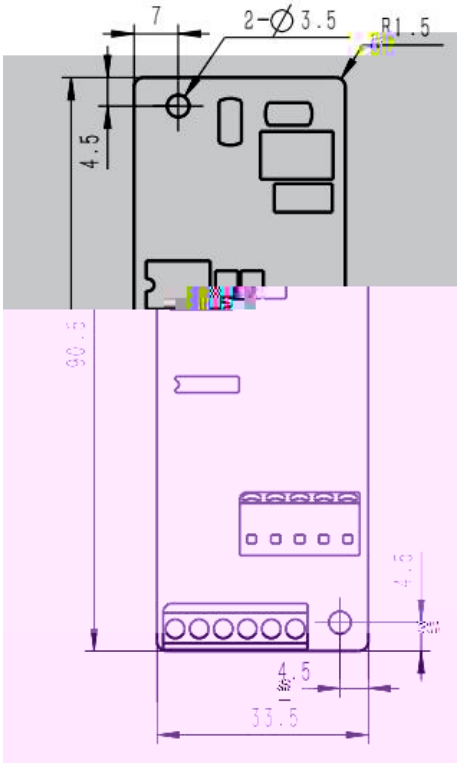
ắ	
	3000 KG
₹ mV/V	1.0mV/V
‥	0.5%F.S
ĩ	±0.05%F.S/30min
ƀ	-35 ~+70
~ Ω	370±20
₹ Ω	350±3
ŋ	150%F.S
ᴸ ㄱ	10VDC
	‥ Ь

D



A.5

1



PG

2

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

3

1

PG PG

Ḥ̂ ̂ Ɣ +15V

ح ₣ Ḥ̂ ᴸ ح ⱳ ч +15V ₣ ̂ ą ,

2

PG ∖ ¨ 8 ɷ Ӣ, ىح

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

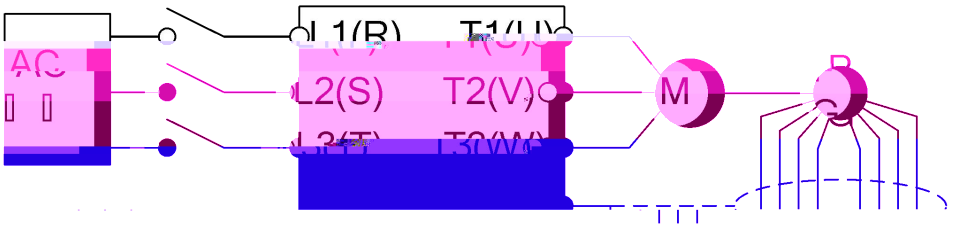
+15V	GND

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

~ PE ч ą PE ض

3 ∕ ىح

PG ∖ ∕ ىح



Hu

(1) PG ৲ Hِ ƀ ʒ №

(2) ч ѽ ک Hِ ï ∫ ч PG ৲ Hِ

(3) ک ض ï ک PE ѡ ৲ ض

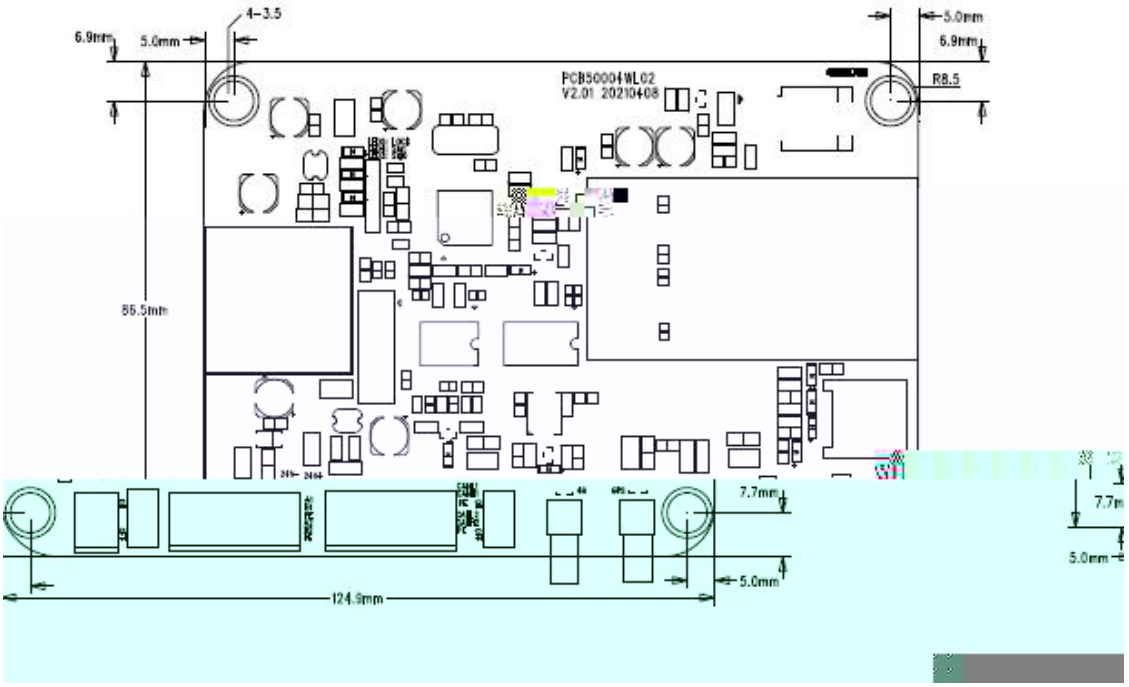
ץ ѽ Hِ ï

(4) ৲ № PG ৲ A- B- Z- GND

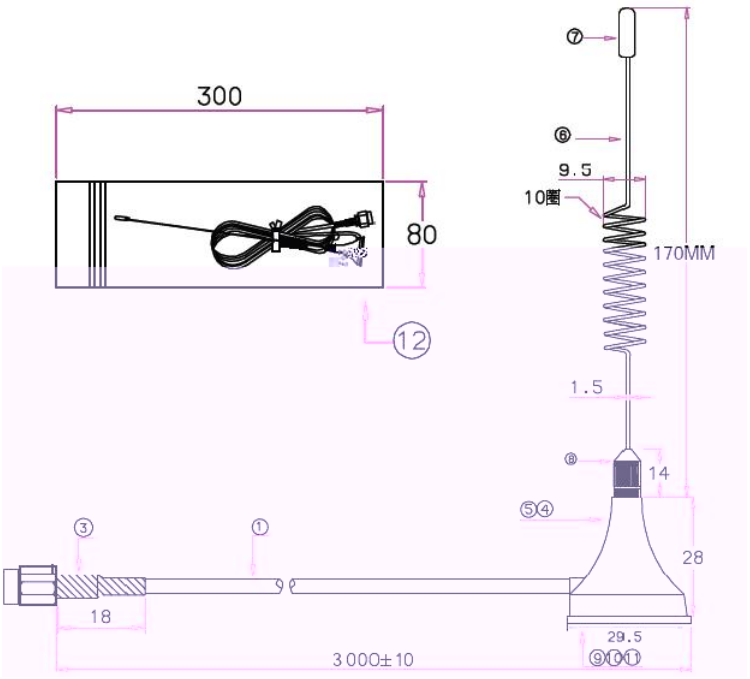
A.6 ৲ ð

1 ৲ ð № ৲ ð GDHF-WP02 غ ~ ৲ ð GDHF-WP04

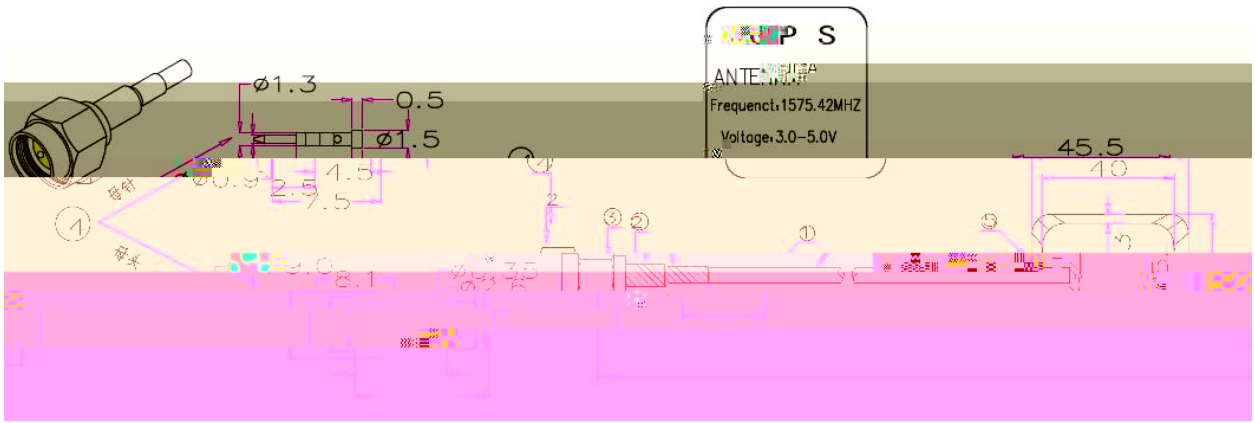
2 ৲ ð ч ৲ ৲ 4G GPR 2 ï



৲



4G



GPS

[illegible] GSM [illegible]

[illegible] GSM [illegible]

o h ٦ ŭ ǂ ث ɒ ٦ ضي Ӣ ǂ ǐ ∫ └

ǂ ă P28.36 ضر Ӣ Ь ǐ └

o h ٦ ŭ ǂ ث ɒ ٦ ǂ Ь ψ ǐ ∫ └

o h ٦ ŭ ŭ ╠ ث ɒ ٦ ﻉ ╠ ɒ

ġ GPS Ḥ

o h ٦ ŭ ŭ ╠ ضر β Ḥ ٧ ﻉ ╠ ɒ GPS

٧ Ь └ Ţ ң ѽ ضي ٦ P28 ă Ţ

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٧ ă ˜ ٦ U ˆ ɣ ġ ќ

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P28.0 ﻗﻤ [1] Ǐ 0˙ 3 0

[2] ﻉ

P28.1 ٧ ˆ _A ٧SIM

P28.11	Ⱶ Ţ 1_C	Ⱶ Ţ SIM ∖ U4 β	0˙ 9999	0000
…	…	…	…	…
P28.33	Ⱶ Ţ 9_A	Ⱶ Ţ SIM ∖ ╠3 β	0˙ 999	139
P28.34	Ⱶ Ţ 9_B	Ⱶ Ţ SIM ∖ Ţ4 β	0˙ 9999	0000
P28.35	Ⱶ Ţ 9_C	Ⱶ Ţ SIM ∖ U4 β	0˙ 9999	0000
P28.36		∖ β ч Hz	0.0˙ 5.0	5.0

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ă P28.06 ~ P28.35 10 ѫ Ⱶ Ţ ~ 11 β №

≠ ч ╠3 β Ţ 4 β ɻ 4 β

ɒ Ⱶ Ţ ч 13912345678

P28.06 ă ~ 139

P28.07 ~ 1234

P28.08 ~ 5678

№ ý

1.

2. lock

3. U Lock Done

4.

5.

6. unlock

7. U unLock Done

8.

9.

10. state

11.

12.state:Lock(unLock)

13.Exxx Wxxx

14.GPS:+-DDDMM.MMMM +-DDMM.MMMM

15. Lock unLock

Exxx Wxxx ч ˆ1 ڠ ᵽ 000

16. ∖ ڃ GPS:+-DDDMM.MMMM +-DDMM.MMMM

17. ₩ ₡ ᵥ ч Ꮒ ₡ ᵥ ч D ๅ GPS β ش M ч №

18. GPS Ḥ˝ β w ' Й, ∖ ڃ GPS:No Signal

19. Ḥ ∖ ڃ Ḥ Ũ

ᑫ ث

20. GPS ᑫ ث

21. ᑫ ث gps

22. ∖ ڃ GPS:+-DDDMM.MMMM +-DDMM.MMMM

23. ₩ ₡ ᵥ ч Ꮒ ₡ ᵥ ч D ๅ GPS β ش M ч №

24. GPS Ḥ˝ β w ' Й, ∖ ڃ GPS:No Signal

25. Ḥ ∖ ڃ Ḥ Ũ GPS

ᑫ ث

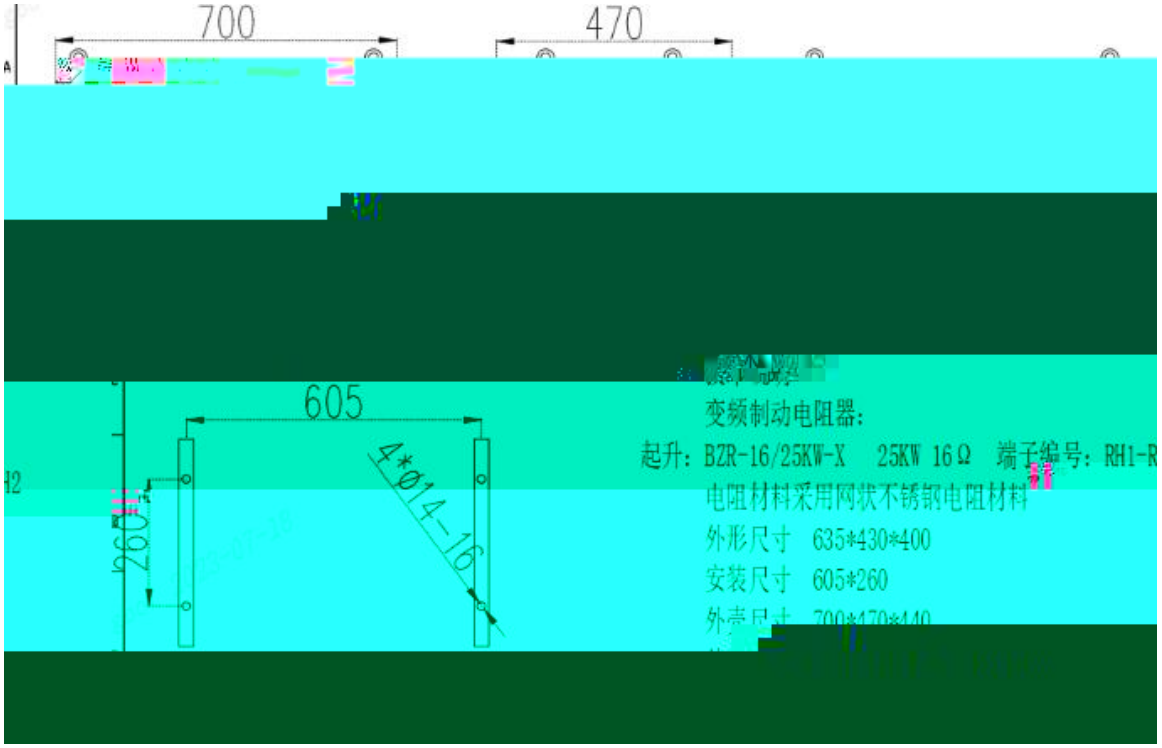
A.7 ᒪ

ᒪ 37kW ڠ 45kW ң ỉ Ţ 37kW ᒪ ڜي

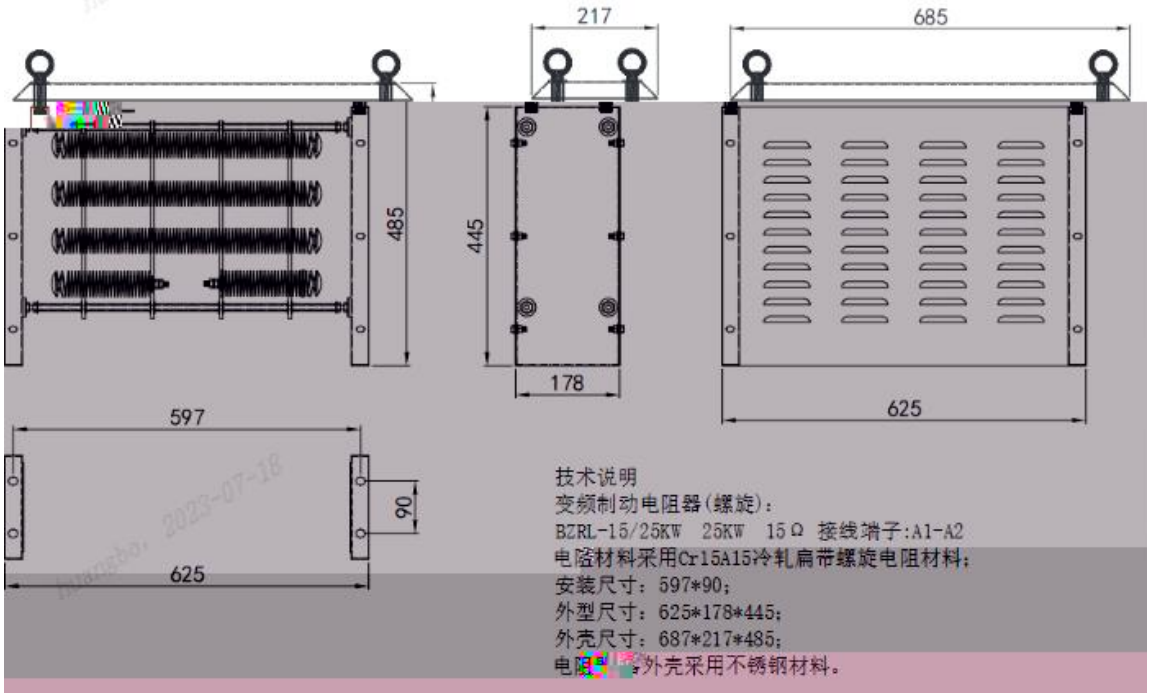
Й, ң

37kW

WBSJ2020-0312-2 16Ω/25kW

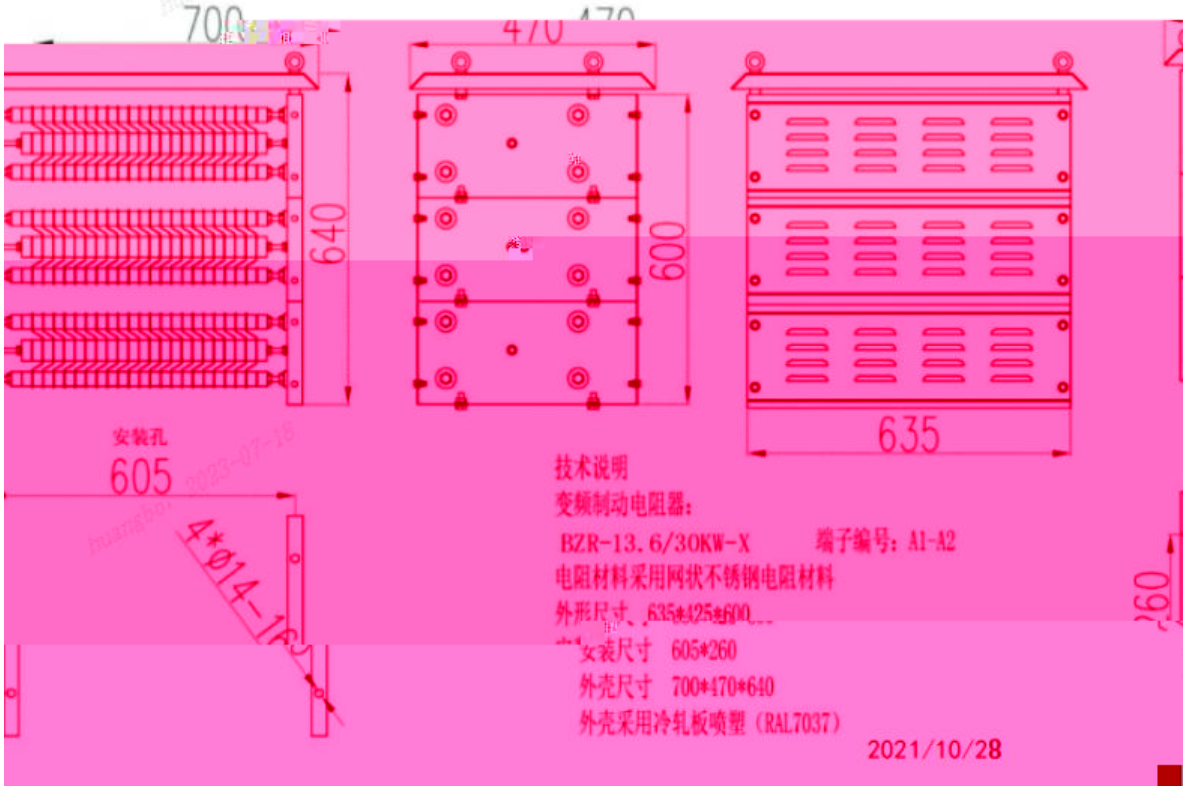


BZRL-15/25KW 15Ω/25kW



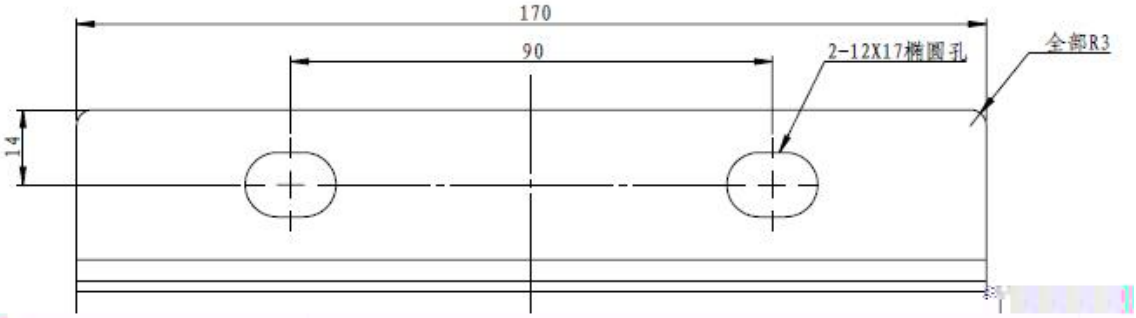
45kW

ZCDQ2021102822 13.6Ω/30kW



A.8

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



A.9 L-

L- ï Ч №≠ 37kW є 45kW ш r

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O					
L-	1	WBSJ2020-0312-2	16Ω/25kW	22.10.A36.96.200	37kW ш r
L-	2	ZCDQ2021102822	13.6Ω/30kW	22.10.A36.96.200	45kW ш r

≠ غ

B.1 w

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Ţ ₩ Δ ч

٦ w №ч 3 ₡ ₩ w ٦ №≠ غ Ң ĩ r

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1 ΎЧ غ – w Ω ώ ΎЧ ₩ ₡ 2

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2.4 ض w ا ي

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2.5 ض ت ح ك w ا ي ا ٥ v v ا ٥ – غ ŋ

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3.1 ض Ḥ w ا ي

ا غ ق ا غ ≠ w

3.2 ض w ا ي ƀ

3.3 ض Ḥ w ا ي ∓ ٨ Ð ه Ð غ ق W̄

↓

3.4 ض Ḥ w ا ي № ȳ Ɔ

B.2 :

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o 4 ٥ ٧





Ӣ Ң : ₩ Ӣ ˜ Ч

1 Ч G ˜ Ч ضي “ Ч ” ˜¬ ≠ Ƥ

“ Ч ” “ 2 ” ⅃ ΐ Ď

2 ص ¬ Й, ص № ↕ Ψ ╠ص

G ص ˜ ╠ص ң ˜ Y ң ╠ 4 ص

ضي Å 100 ƀ U ↕ Ψ ˫ ج З˜ “ ج ” ج

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	Й, ت ص № →	

ي 2 ص ƀ ي

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1 ₩ 2 ĭ 2

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□ ID غ O Ḃ U ₩ ₡ ′Y ч 2

Л “ ” ч 2 ќ

2

a ضي “ ١ ” ≠ ʾP “ ١ ” “

2 ” ٦ ĺ 2 ~ ١ κ ₩ ₢ U

ʾP ~ ɒ “ 123123 ” “ ” ~ ١

b ضي ١ “ ” “ ” ʾP “ ” “ ΄Y ”

“ h Ӣ ” ˥ ⌠ “ O ” ą T9 ~ ~ Ţ O

ID ġ O ϒ Ḃ G “ h Ӣ ” ˥ ⌠ “ ” “ ”

ą ỉ ضي “ ” ġ “ 2 ” 2 ﻗﻤﻢ Ţ ℗ “ h Ӣ ” ˥ ⌠ “

΄Y ” “ ΄Y ” ~ ﻳﺤ ƀ Ӣ

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´Y	
	~ 4 ɷ ي Й 4 ɷ ~ w

ي 3 ´Yي

2 ´Y ا

a) ID ɾ ´Y ID ID 1~100

b) O ~ O Ḃ U

c) “ ” ą ì ضي “ ” غ “ 2 ” 2 ق Ţ

Ⓟ ɷ 2 p ₩ ɷ ´Y ч 2

d) ´Y ~ 2 ´Y ضي 4~8 β

e) ´Y ч ↄ ˩ ~ 4 ~ Й 4 ɷ

1 ɷ ₩ ɷ ~ ΐ غ ۟

B.5 –

a) 2 U ~ ا “ ” ˈP “ – ”

b) “ – ا ɷ ” U ~ – ID “ ”

– “ – ” U “ ” – “ ↓ –

” “ ” ↓ – –

c) “ ↓ – ” Ţ Y ∫ ´Y ΐ r Ḥ ID ´Y O ΐ Ḥ

B H ɣ –

B.6 L

ض ۱ “ ” ɷ “ L ” ˆ ۲ ì ч

۱ β ч № β ۱ β

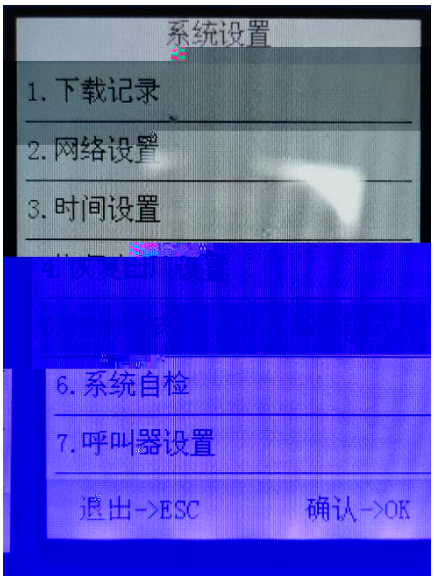
a) G ⌟

b) G ⌟ ₩ 'P ⌟ ₩

c) ˆ ۲ ⌟ Ḡ ⌡ 'P ⌟

d) β ⌟ ϡ ˆ ۲ ˗ β ⌡ ч ╠

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B.7 ت №

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ۄ ۓ ƀ Й

ت № ۄ

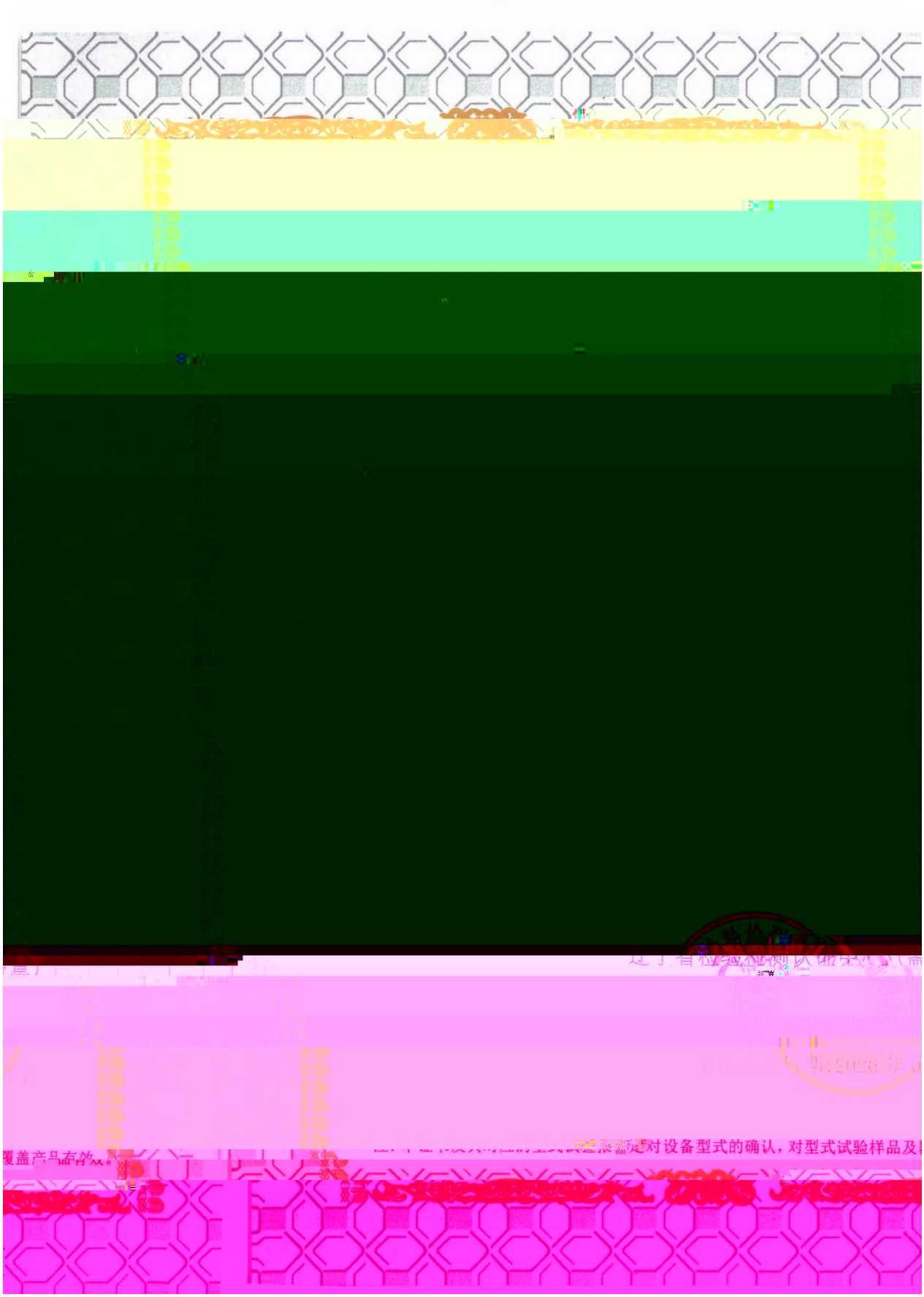


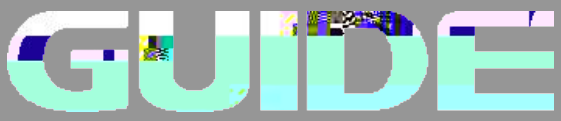
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