HF500LC

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ˈ ſ ᏼ HF500LC ↓ ч ʒ ˆ ь

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∫ ь ᾠ ˈ ſ ᏼ HF500LC ↓ ч ˈ ſ ᏼ

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╠ˇ й

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ч ⊢

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1.2 ȸ
1.3 Ⱨ
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2.1
2.2°° ج ˆفمم ّ
2.3°° ج ↓ ˆفمم ь
2.4°° ج ّ ٰ ɒ O
2.5°° ج
2.6°° ج ... غ '
2.7 ɦ
2.8°° ج w
2.9 أ ˆكج ɒ
2.10 أ كج كج ّ يح
3. أ كج Ũ غ 17
3.1 Ũ
3.2
3.3 h ь
3.4 ا غ
3.5 ا ь ضر
3.6 PG ا ь ضر
3.7 PGC1 ا
3.8 PGD1 ا
4. أ كج 28
4.1 Ⱨ
4.2 ɦ عج
4.3 └ عج

6.2.8 Й
6.2.9 ă Ḡ
7. Ĭ ℊ ă 64
7.1 P1
7.2 ĭ P2
7.3 ~ P3
7.4 ₹ P4
7.5 ~ P5
7.6 ₹ P6
7.7 Ḡ ă P7
7.8 1 Ω Å └ P8
7.9 2 Ω Å └ P9
7.10 3 Ω Å └ P10
7.11 4 Ω Å └ P11
7.12 1 └ P12
7.13 2 └ P13
7.14 3 └ P14
7.15 4 └ P15
7.16 1 ă V/F P16
7.17 2 ă V/F P17
7.18 3 ă V/F P18
7.19 4 ă V/F P19
7.20 1 └ P20
7.21 2 └ P21
7.22 3 └ P22
7.23 4 └ P23
7.24 MODBUS P32
7.25 P33
8. ă w 135
8.1 ĭ
8.2 ~
8.3 ₹
8.4 ~
8.5 ₹
8.6 Ḡ ă
8.7 Ω Å └ ă
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8.9 ă ė V/F └ ă
8.10 └ ă
8.11
9. ĭ 157
9.1 ϼ ϥ
9.2 ϥ
9.3
10. Ь Ḡ Ī 163
10.1 Ḡ Ī ė
10.2
10.3
10.4 Ð
10.5 Ь Ḡ ќ

1. ŋ Ꮒ

Ꮋ ╠ й

1.1 ˜



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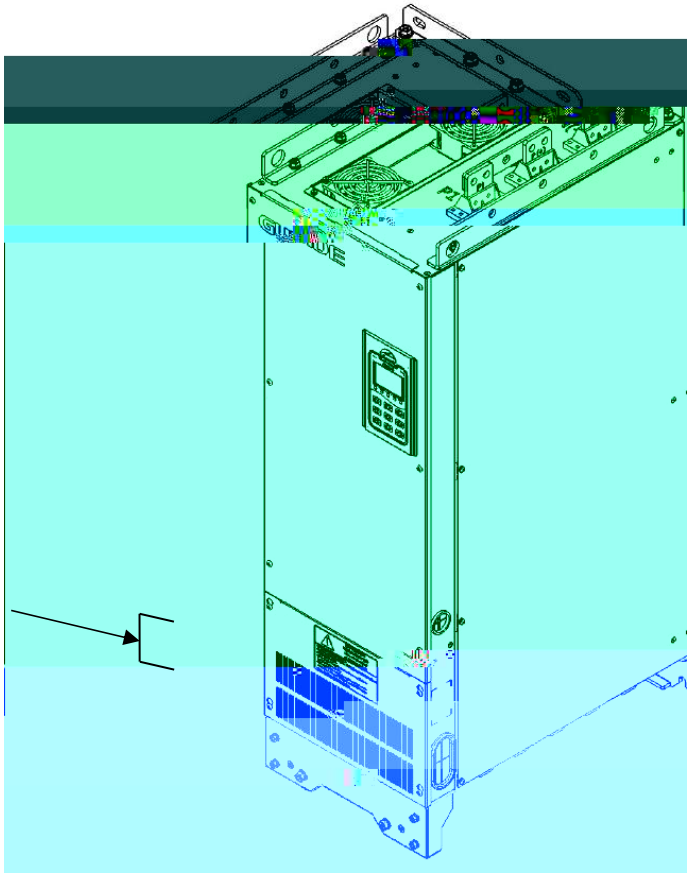
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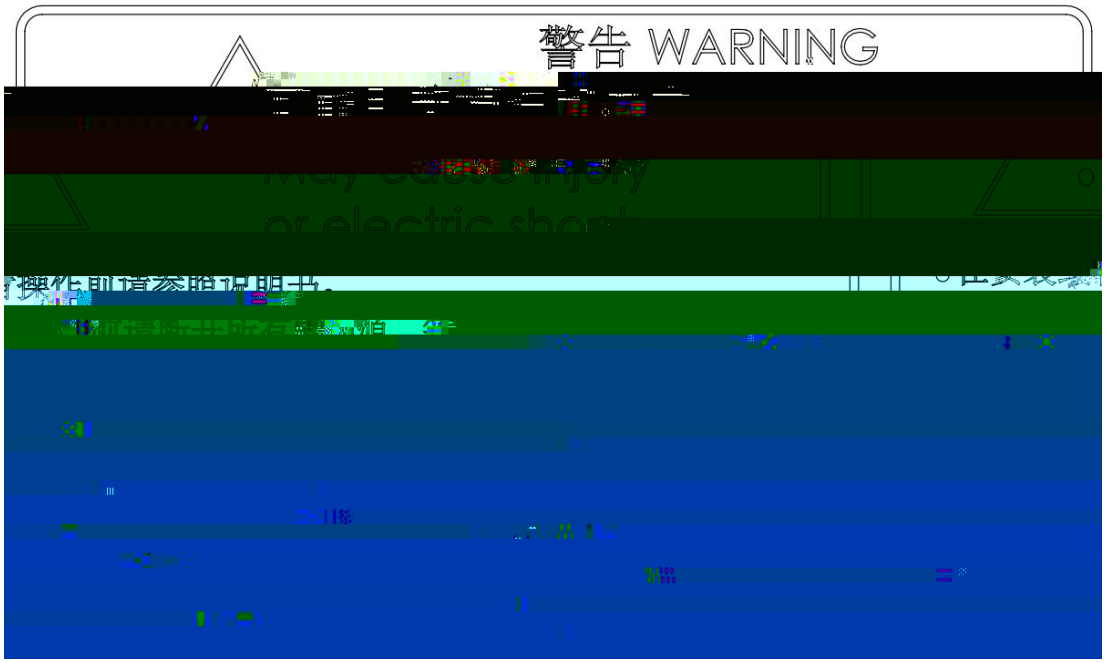
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ť ᶊ HF500LC-0355-6 ҽ ᵑ

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2.ﺔﻣ ﺞ '

2.1

a.
b.

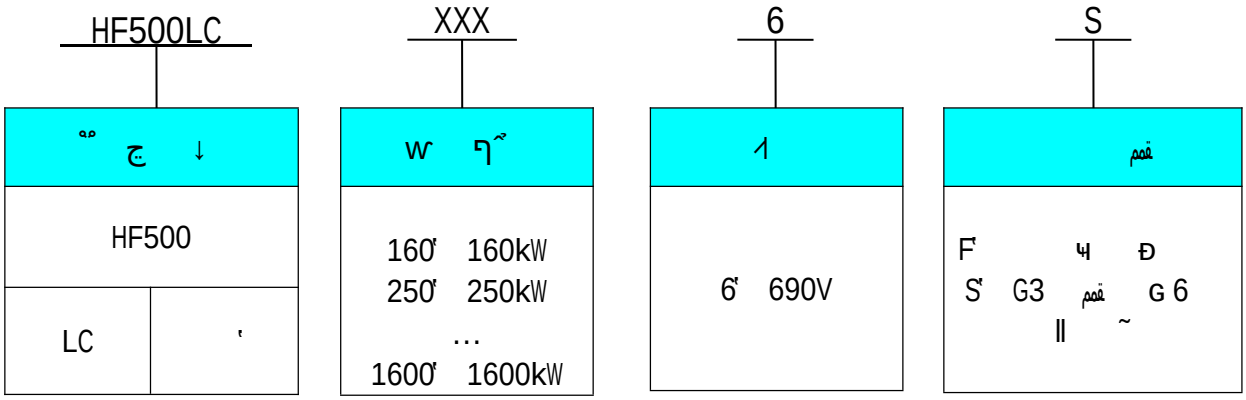
U ŭ ₣ ĭ ﺞ ˜ ɣ И, ɜ

1. ĭ ﺞ Ţ ĸ v ﺵ Ð ﺵ ˘ h r H ~
2. ´ Ţ ӣ ɻ Ḡ ќ ∖
3. ĭ ﺞ ﺔﻣ ﺞ
4. ɔ ĭ ﺞ Ð˘ ⌠ Ð

ŭ ĭ ﺞ Ð ﺵ˘ ﺽ ﻱ ⎯

2.2ﺔﻣ ﺞ ﻡﻣ ĭ

ĭ ﺞ ﻡﻣ Ɔ Ꮒ '



ﺡ 2-1 ﺔﻣ ﺞ ﻡﻣ Ɔ Ꮒ

HF500LC-6 ↓ ĭ ﺞ ﻡﻣ '

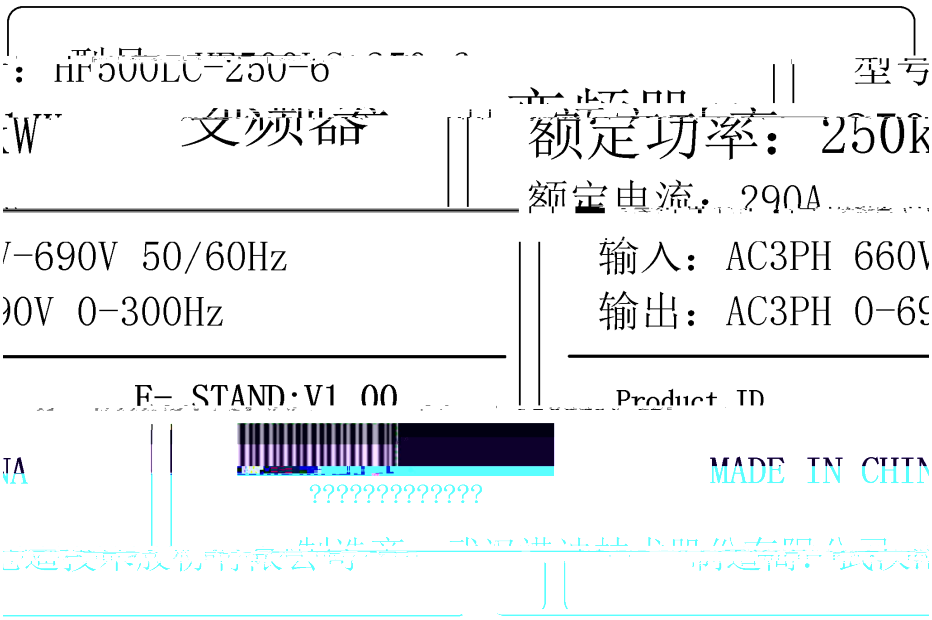
LC' ч '

6: 1 ч 690V

F' HF500LC-6 ↓ ĭ ﺞ ﻡﻣ ﺔﻣ ﺞ G4 G5 ﻡﻣ ﺔﻣ ﺞ ч Ð ˘ ´ Ɔ ĭ ﺞ ﺵ ~ ﺞ ₣ ﺵ ﺞ Ѡ ˘ G 12 ‖ ~

S' G3 ﻡﻣ G 6 ‖ ~

HF500LC ↓ ĩ ☹ ☲ 2-2 ^ ϒ 250kW ч ᵖ ~



☲ 2-2 ᵒᵒ ☵

ᵐᵐ ' HF500LC-0250-6 HF500 ' ↓ ĩ ☹ W 250kW ↑ ч 690V AC ´ ~ ₣

3PH ⁝⁝ ~ ₣

660V-690V 50/60Hz ~ ↑ ☲ ☹

0-690V 0-300Hz ĩ ☹ ₣ ↑ ☲ ☹ ₣ ☲

2.3ᵒᵒ ☵ ↓ ᵐᵐ Ь

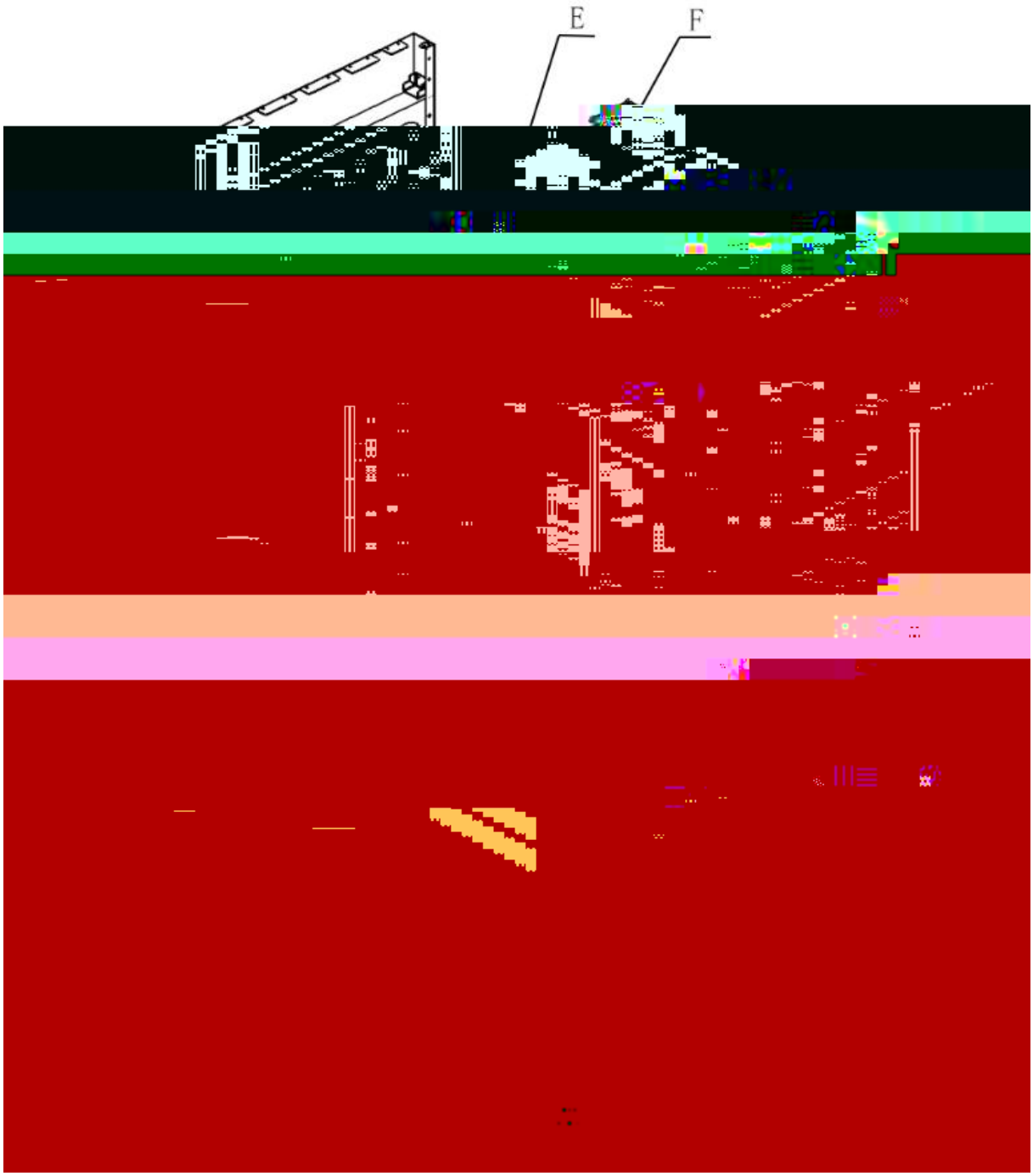
2-3 HF500LC ' ĩ ☹ᵒᵒ ☵ Ш

ᵐᵐ	,^1˜		,^2˜		~	ᵐᵐ
	₣ [A]	W [kW]	₣ [A]	W [kW]		
HF500LC-160-6	180	160	147	132	6 Ⅱ^3˜	G2
HF500LC-200-6	220	200	180	160		
HF500LC-250-6	290	250	220	200		
HF500LC-280-6	320	280	290	250		
HF500LC-315-6	355	315	320	280		
HF500LC-355-6	390	355	355	315		

2.4ᵒᵒ ჯ ǐ ɅǏ ɒ O

HF500LC ↓ ǐ ᏼ п ˘ ɨ ɨ ˘ ˘ п

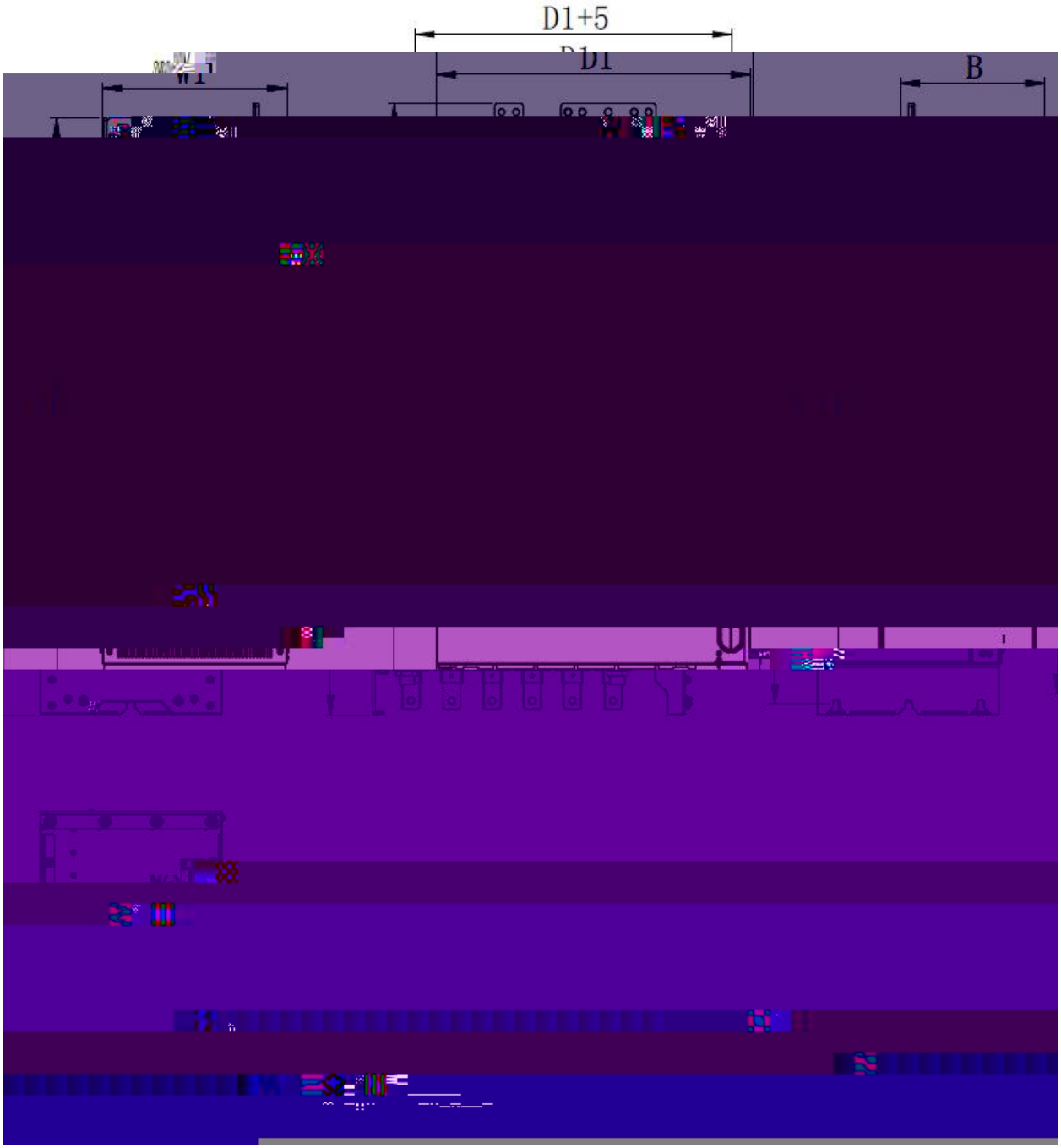
HF500LC-160-6 HF500LC-355-6



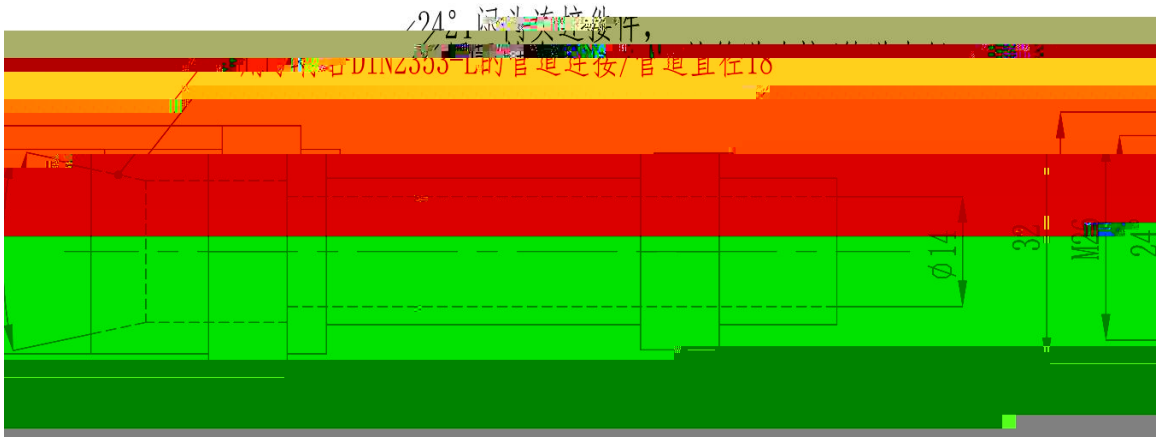
ج ,

2.5ﺔﻣ ج

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ﺮﻳ



2.7 h ' ь3

(1) ь ⌠ 200% ₣'

(2) ь 50%˜ HF500LC ↓ ΐ ر ˆ ϒ

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(3) HF500LC ṗ w L ϶˘ ~ w Ϥ ˘ ΐ ر

˫ ₣

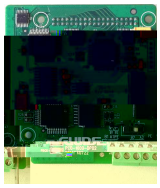
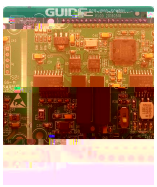
2.8°° ج w

- w ϶
- ₱ w ϶
- ر ϶
- P3 D ر ϶ج ϶

˜ w ϶

˫ L

2.9 Ð

يجـ	فسم
	GDHF-DP02 ٧
	GDHF-MB01 ٧

GDHF-DP02 ٧ ‰ Profibus يجـ
‰˘ Ь HF500LC ↓ أ ڪ ą

GDHF-MB01 ٧ MODBUS-RTU ٧ ˘ RS485
o ڠ RS232 o ˘ ˪ Ь RS485

ﻢ ﺴ ﺔ ﺪ

GDHF-MFB2

H ώ



GDHF-MFB2 H ώ ч HF500LC ↓ Ĭ ﺞ

ώ H W ﺦ 630kW~1120kW

GDHF-SFB

ɾ ώ



GDHF-SFB ɾ ώ ч HF500LC ↓ Ĭ ﺞ

ώ ɾ W ﺦ 630kW~1120kW

GDHF-POF02

2 ώ



GDHF-POF02ώ 2 ƀ ч ώ H Ь ɾ ҷ

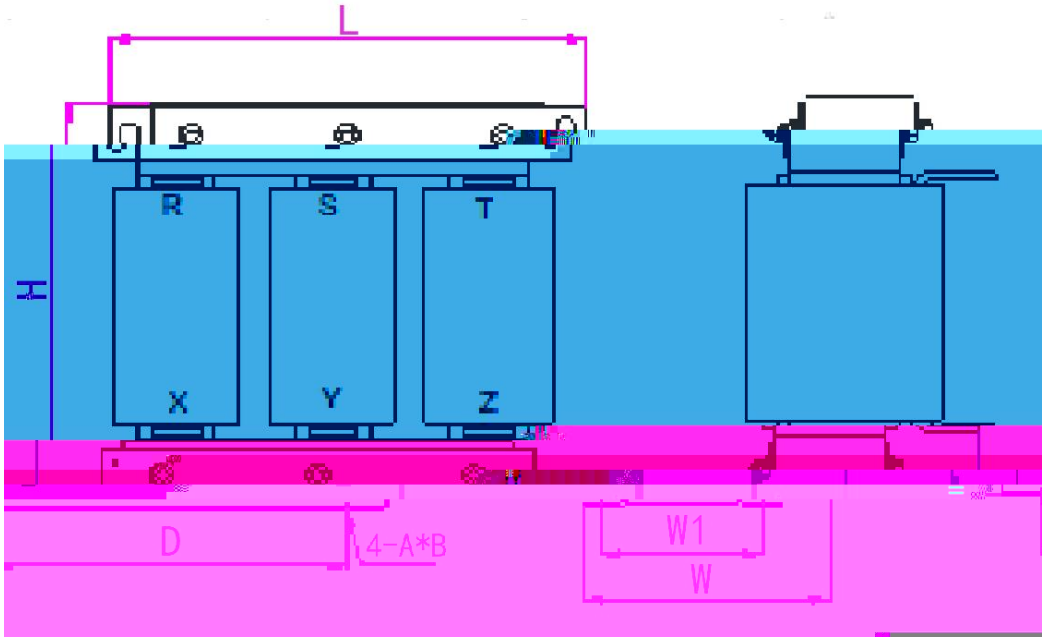
ώ ώ ˘ ˘ ч ч 2 ´ Ơ' 7 ώ

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GDHF-POF03

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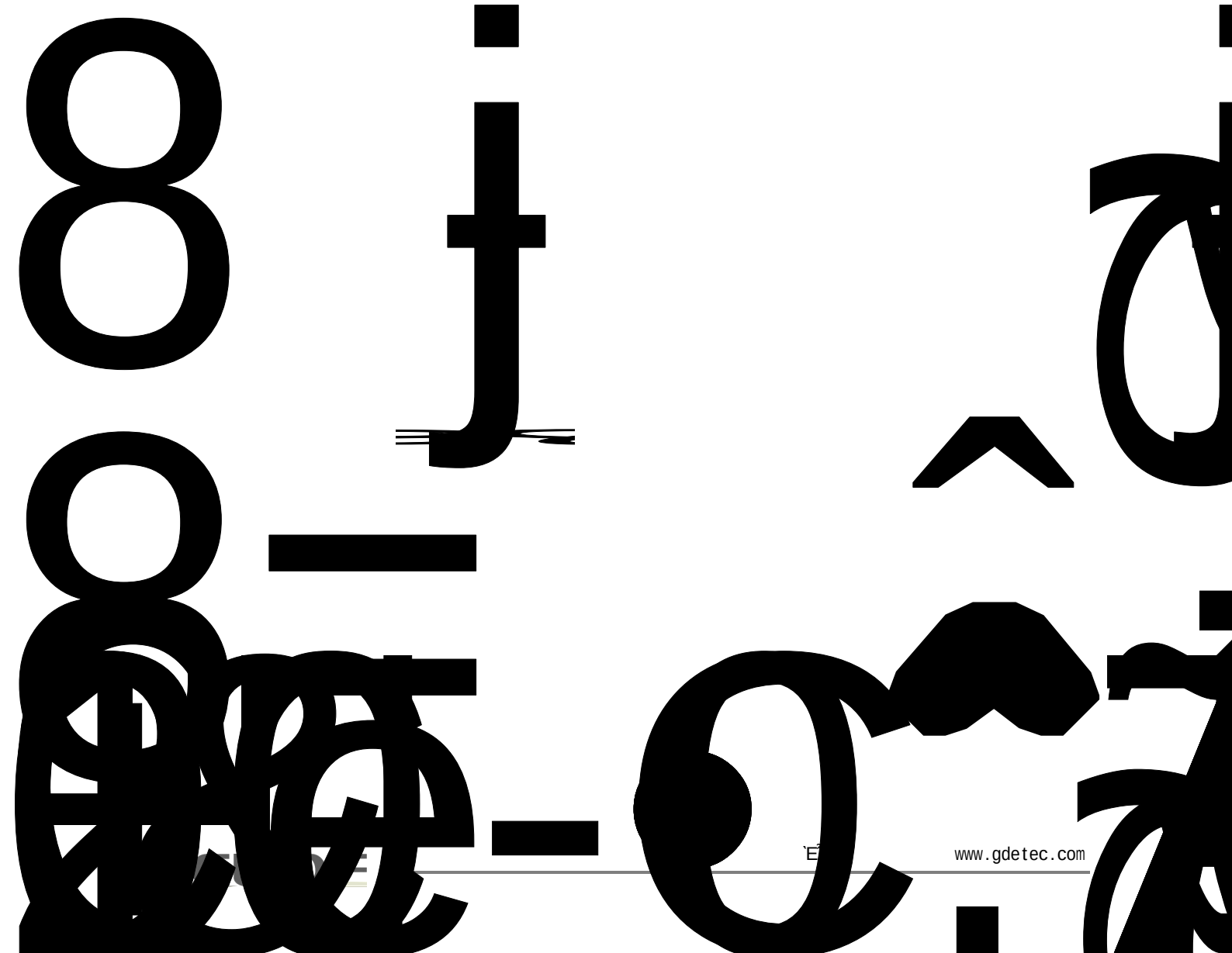


ज

ـمم كح	L^ ±5mm~	W	H	D	W1	A*B
ACR-0200-0M14-0.7SC	290	220	260	214	122	11*18
ACR-0250-0M11-0.7SC	290	220	260	214	122	11*18
ACR-0290-096U-0.7SC	290	260	280	214	132	11*18
ACR-0330-085U-0.7SC	290	230	310	214	122	11*18
ACR-0390-072U-0.7SC	320	245	330	243	144	11*18
ACR-0490-057U-0.7SC	320	250	350	243	155	11*18
ACR-0600-047U-0.7SC	320	260	320	243	154	11*18
ACR-0680-042U-0.7SC	360	260	320	243	154	11*18
ACR-0810-035U-0.7SC	365	280	385	260	164	15*25

~ كح '

ـمم كح ^ W



3. Ĩ ϲϰ ÕЎ ϧ

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1. ... ¬ 2 ضِ Ĩ ϲϰ ϲϰ Ð / ⁚⁚ ƀ Ь “ Ϸ ” Ţ ˇ ˘ ˆ
   Ψ Ң ¬ H ᵒᵒ ז ضِ ϧ
   Ĩ ... F ȝ¬ 2 ˜Ḥ ضِ ϲϰ Ð / ⁚⁚ ƀ
2. ˜ ז ˜Ḥ ϐ ϩ ˘ ˆ ضر
3. ↓ ą Ĩ ϲϰ ɢ Ь ƀ ˘ ϒ Й ˙ ˆ ↓ ↓'
   - R S T
   - U V W
   - P1 P N
4. ضِ ˇ ϒ U˘ 12 № ˘ ą Ĩ ϲϰ ˘ ˜Ḥ ƀ
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5. ضر r G G ᴸ

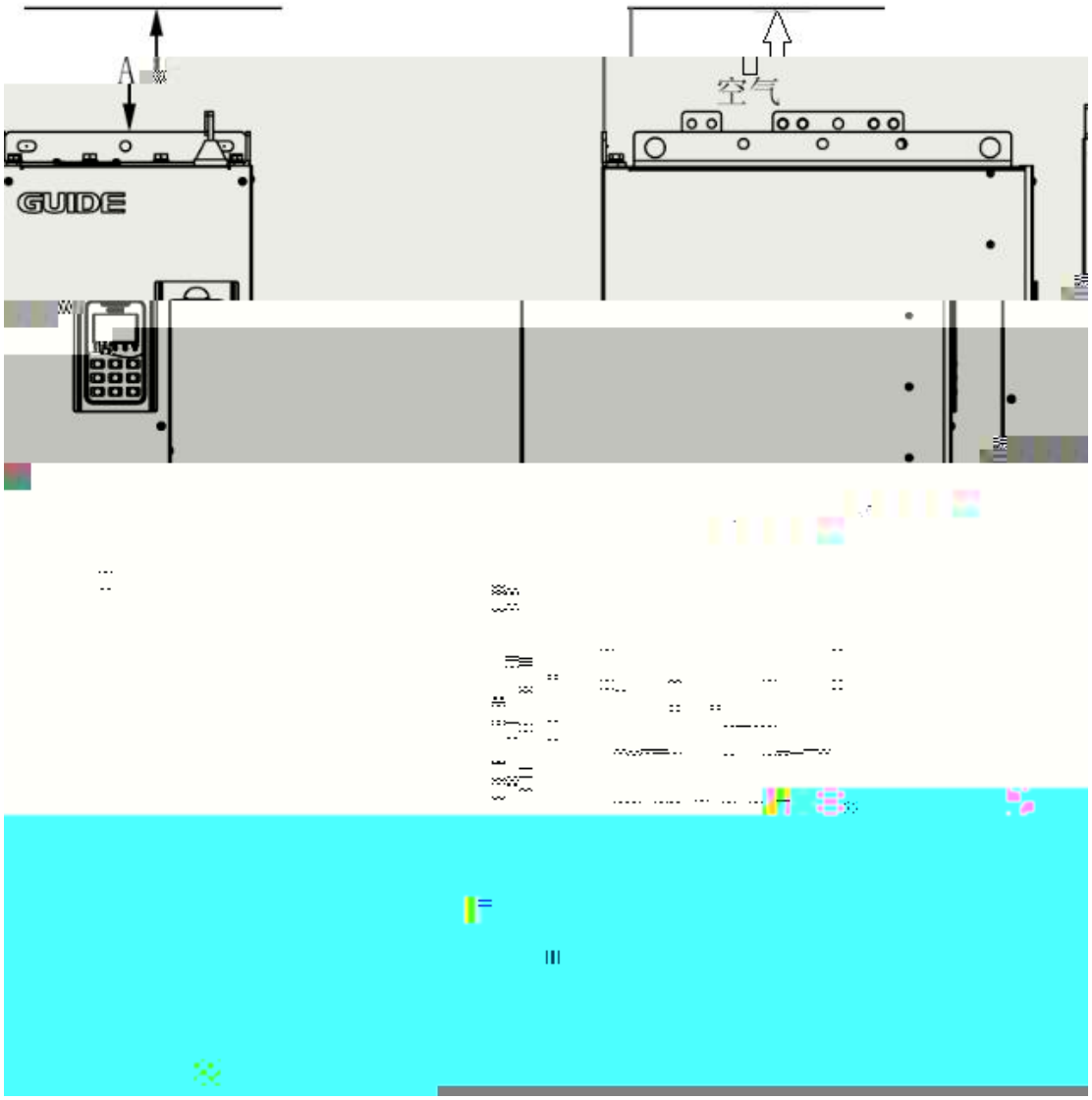
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- -10 · +50 ضي مخ+50 · +60 ң ˘ ˥ 1 ˘
  ₹ ⋮ 2%
- ѿ ˘ G 95%RH˘ Ь¨Ң o ˘
- Ⓟ˜ ضي ⁝,⁝
- ѿ
- r غ r
- ї̈
- ˘
- 1000 ү Й̧ 1000 شي ˘ ₽ 100 ү 1%
  ү ₹ ˆ ч 3000
  ' شي ,˘ ذ أ̈ ك ą ث

3.3 h ь

ч ↄ ≠ G أ ك ˘ أ ك معم ضي h˘ Ḡ ىلخ ˘
Ѝ Ŧ ↄ أ ك ^ ỵ ˜



أ ك معم	
	A ≥ 200mm

3.4 ؋ ؘ

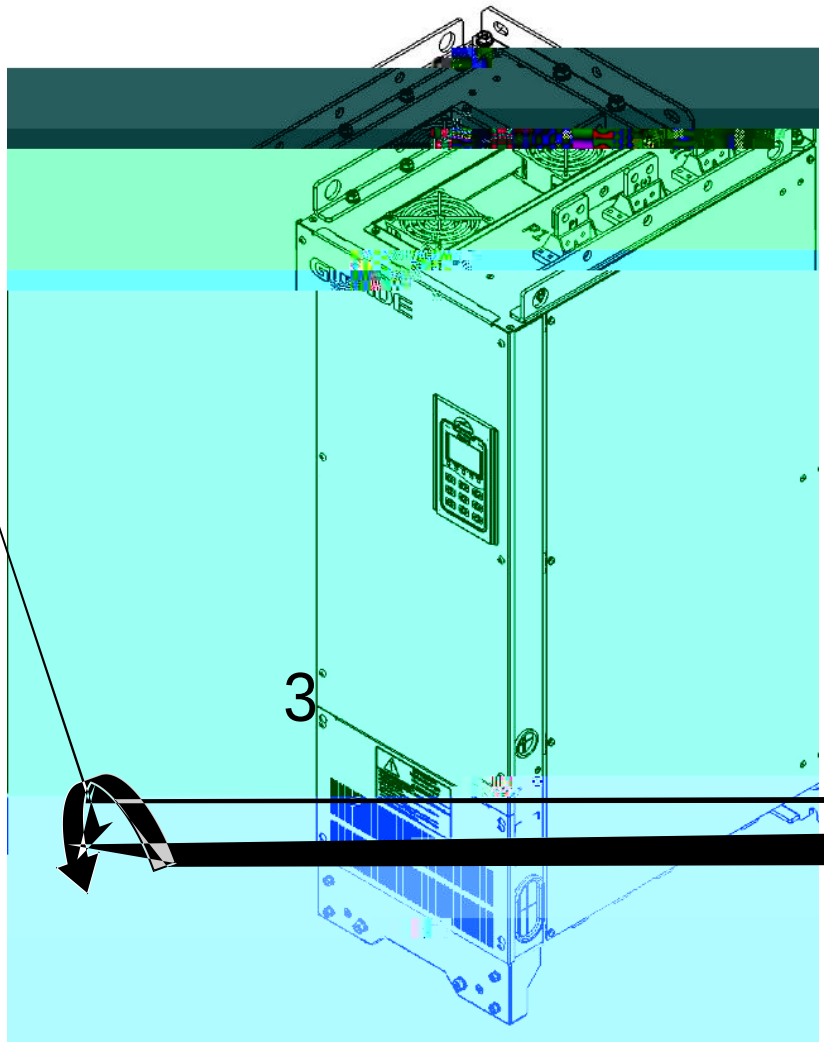
؋ '

ˆ 1˜ 1 h˘ ѽ ₣ 4 ₭ 5mm ˚

ˆ 2˜ 2 h˘ h Ѝ

ˆ 3˜ 3 h˘ Ѝ ŭ ₣

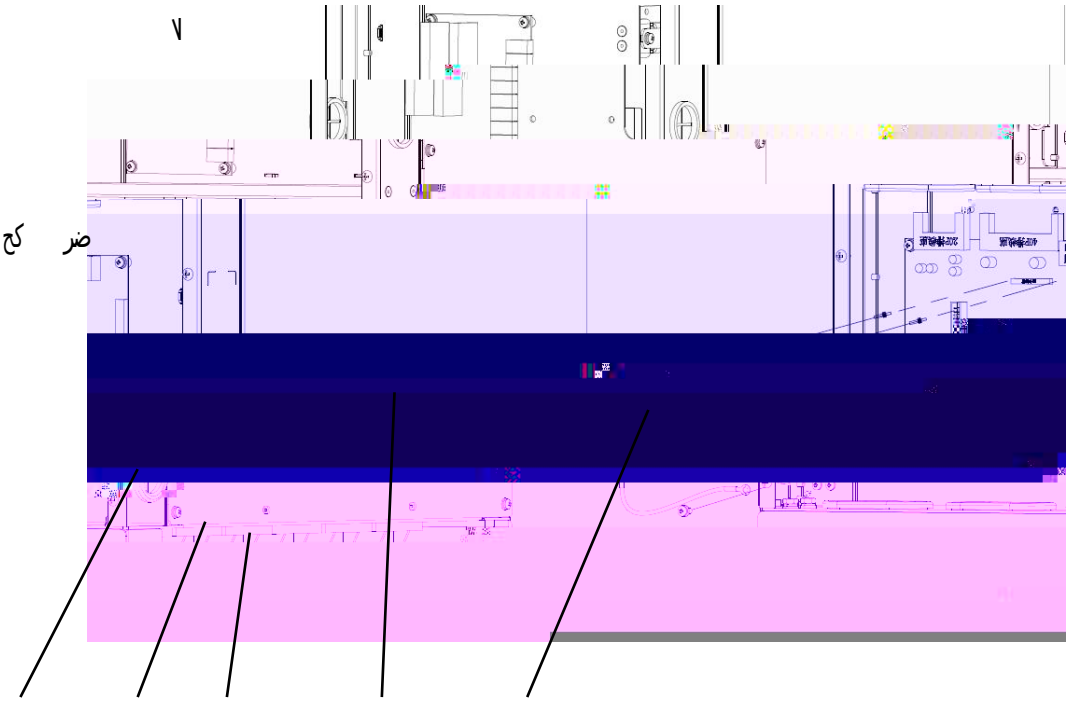
Ь ǐ



ҙ 3-1 ǐ ک ؋ ؘ

3.5 ﺽ ﺏ ﻝ

ﺽ ﺝ ﺃ ﺽ ﺡ GDHF-DP02 ﺽ ﺏ ﻝ ﺽ ﻱﺡ ﻱﺝ



ﺽ ﺏ ﻝ ﺃ ﺝ ﺽ

3.6 PG ﺽ ﺏ ﻝ

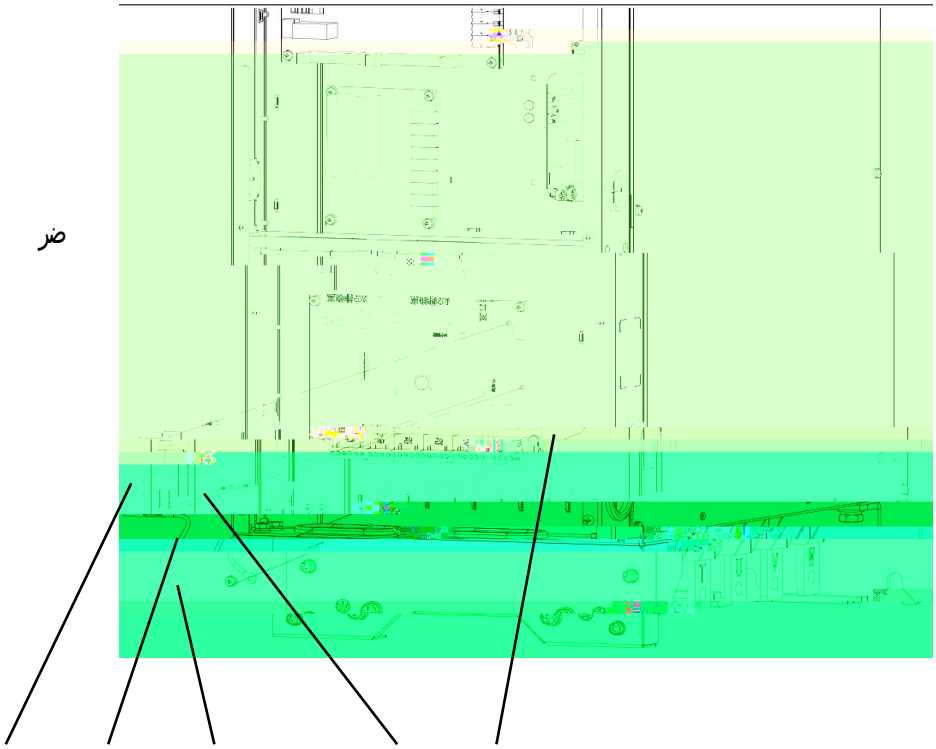
ﺽ ﺝ ﺃ ﺽ ﺡ GDHF-PGC1 PG ﻝ ﻍ GDHF-PGD1 PG

ﺽ ﺏ ﻝ ﻱﺡ ﻱﺝ

ﻝ

ﺽﺭ

ﺽﺭ ﻙ أ



أ ﻙ PG ﻝ ﺏ ﺽﺭ

3.7 PGC1 ﻝ

GDHF-PGC1 PG ﻝ " 12 ﷺ '

+15V	GND	A+	A-	B+	B-	Z+	Z-

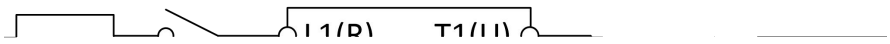
AO	COM	BO	COM

w '

	w	ّ	ﻝ مخ	₣
+15V,GND	ﻙ ﻠ	…	15V ± 5%	300mA
A+,A- B+,B- Z+,Z-	ﻙ Ḥ˜ ~	0-80kHz	0-15V	…
AO,COM BO,COM	₣	0-50kHz	0-24V	…

' PE ﻍ ^ ą PE ﺽ˜

PGC1 ٧ ٨ ىح'



Hυ '

^ 1˜ PG ٧ Ḥ˜ ƀ¬ ʒ № ˘ ѽ '

^ 2˜ ч ѽ ك Ḥ˜ ї ⌡ ˘ ч PG ٧ Ḥ˜ '

^ 3˜ ك ضˆ أ ك PE ˜˜ ѿ ٧

ضˇ ץ ѽ Ḥ˜ ї '

^ 4˜ ٧ №˘ PG ٧ A- B- Z- GND '

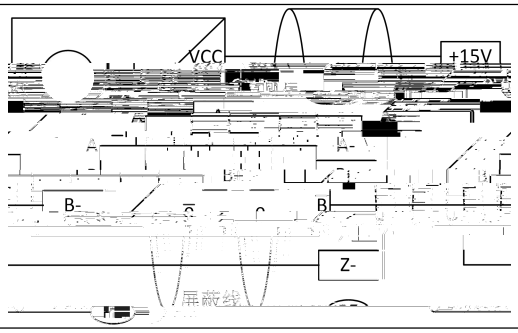
^ 5˜ PGC1 ٧ ٨ مخ´ 15V ¬ ققمˆ RS-422˜ ∓ ك

G شي aʇ كˇ ѽ ∓ ˘ PGC1 ٧ قمم

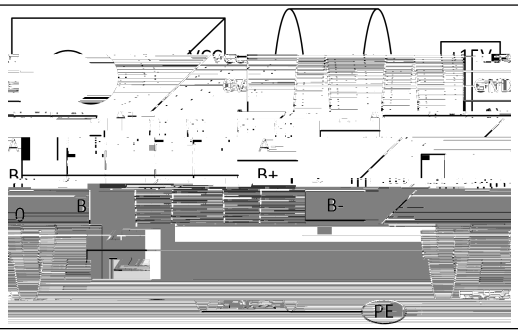
قمم ٨ قمم ¬ ققمˆ 15V˜ ك

ˆ 1˜ ˇ ǂ ˛˙' ǂ

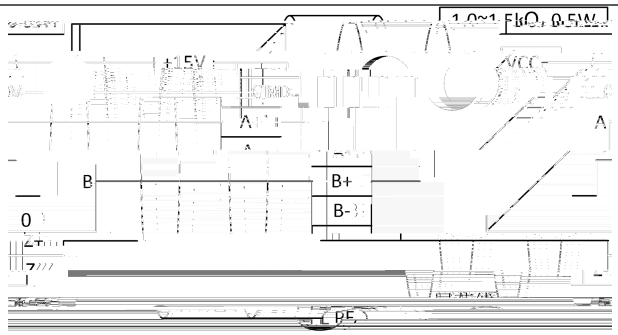
ä ¯

˝	˚ ˛
	ˇ ˛˙' ˇ
	HLE45-1024L-6F.AC
Ò ˘	RHI90N-ONAK1R61N-1024
	EC120P45-H6PR-1024

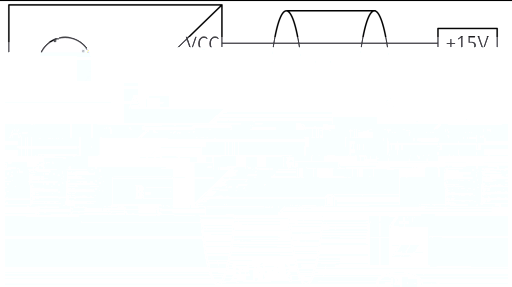
b¨ ˥

˝	˚ ˛
	ˇ ˛˙' ˇ
	HLE45-600L-3F.AC
Ò ˘	RVI78N-10CALA31N-1024
	EC120P45-P6PR-1024

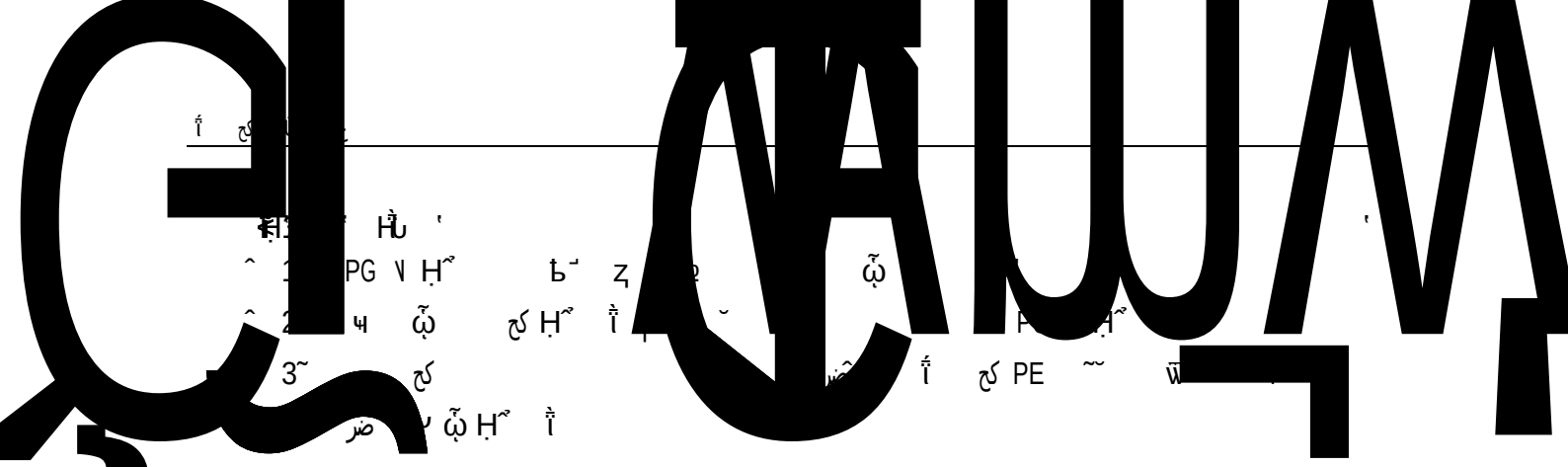
ˆ 2˜ ˇ ǂ ˛˙' ǂ

˝	˚ ˛
	ˇ ˛˙' ˇ
	HLE45-1024L-30C.AC
	EB38A6-C4PR-1024

ˆ 3˜ ˇ ǂ ˛˙' ˥ ǂ

˝	˚ ˛
	ˇ ˛˙' ˇ
	HLE45-600L-3R.AC
	EB50A8-N4PR-1024

ˇ ` Ẽ '



PG ١ Ḥ ẓ ڜ

ڜ Ḥ ڜ ١ ڜ Ḥ

3 ڜ PE ڜ ضر ڜ Ḥ

g شي a ڜ ڜ PGD1 ١ قمم

قمم ١ قمم

١ ڜ قمم ڜ

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^ 3˜ ك ₣ فهم ١

4. ﻱ ﻙ

4.1 Ⱨ

ˆ 1˜ ... Ғ ʒ ¬ 2 ƀ

ˆ 2˜ ╠˘ Ḡ ŋ ℗ 12 № ɣ˙ ˘ Ɋ ↕ ↓

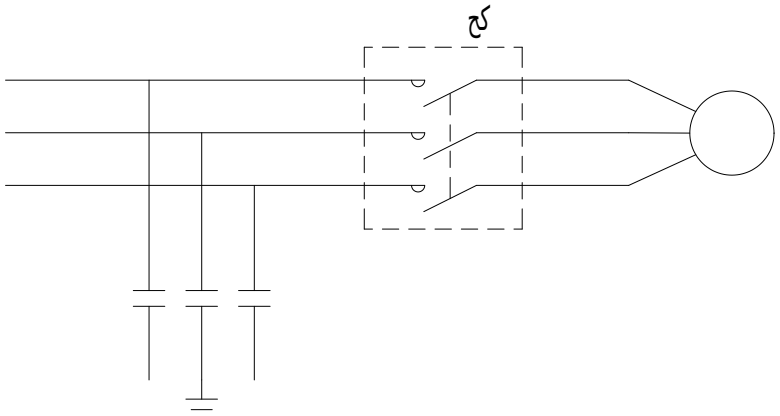
ˆ 3˜ ⌠ ﻱ ﻙ ₣ U V Ɯ˙

ˆ 4˜ ﻱ ﻙ ﻍ ˉ ŋ ﺽ

ˆ 5˜ Ḡ ﻱ ﻙ ﺏ ˪ ɳ Ţ ﻙ˜ ɣ ѽ ﻱ ﻙ Ⱨ

ˆ 6˜ ﻱ ﻙ ﺏ ɳ ɐ ﻙ ˘ ₩ Ḡ ﻙ ˉ ƀ ˘ ₇ Ḡ ﺽ ﻱ ﻙ ₣ ˘ ﻙ ˉ ƀ

ˆ 7˜ ﻱ ﻙ U V W ₣ Ь ɣ ɐ ₽ ﺇ ₽ ˘ ﺓ 4-1



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ą ˘ ą ' ∧ U'P

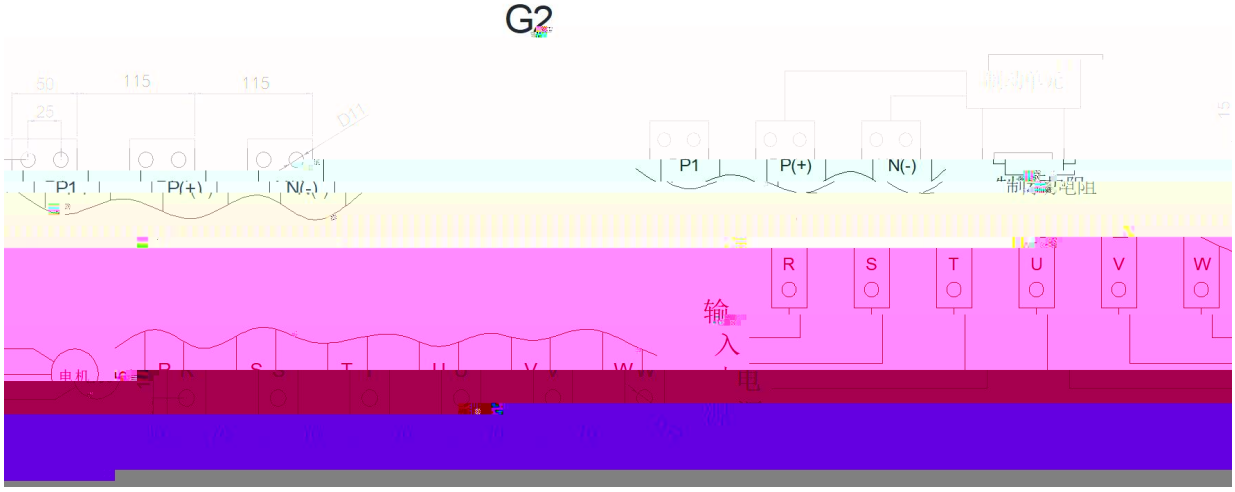
ˆ 14˜ ∧ Ь ǐ ⍀ ∧

ˆ 15˜ ∓ ˆ ǐ ⍀ Ь ˜ G 30 m

4.2 h ⌅

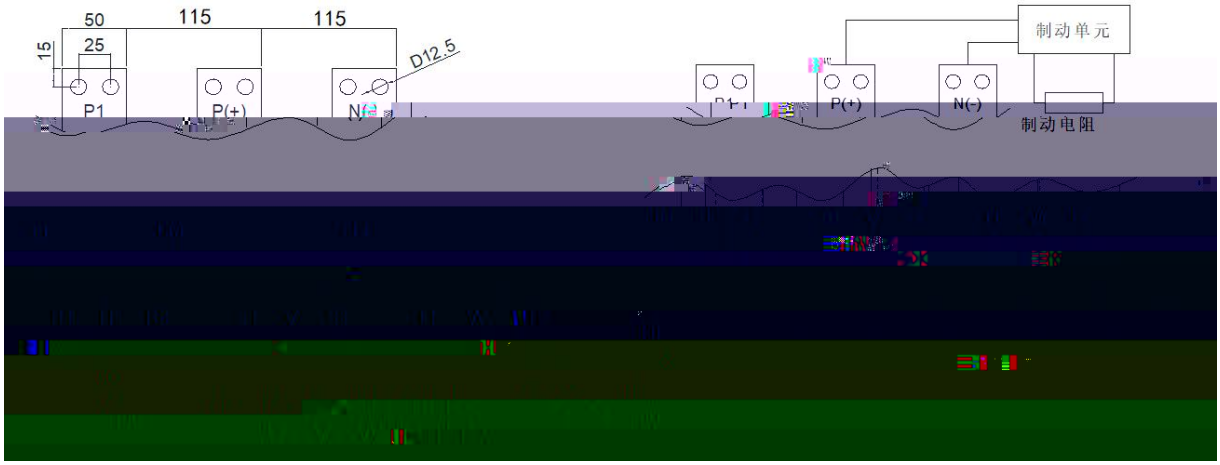
160kW ~355kW w ǐ ⍀

G2



400kW ~800kW w ǐ ⍀

G3



~	W
P +~	ث ا
P1	كج
N -~	ث ا
R S T	ً
U V W	ً ـ
	أ كج ضر ضر

4.3 Lعج

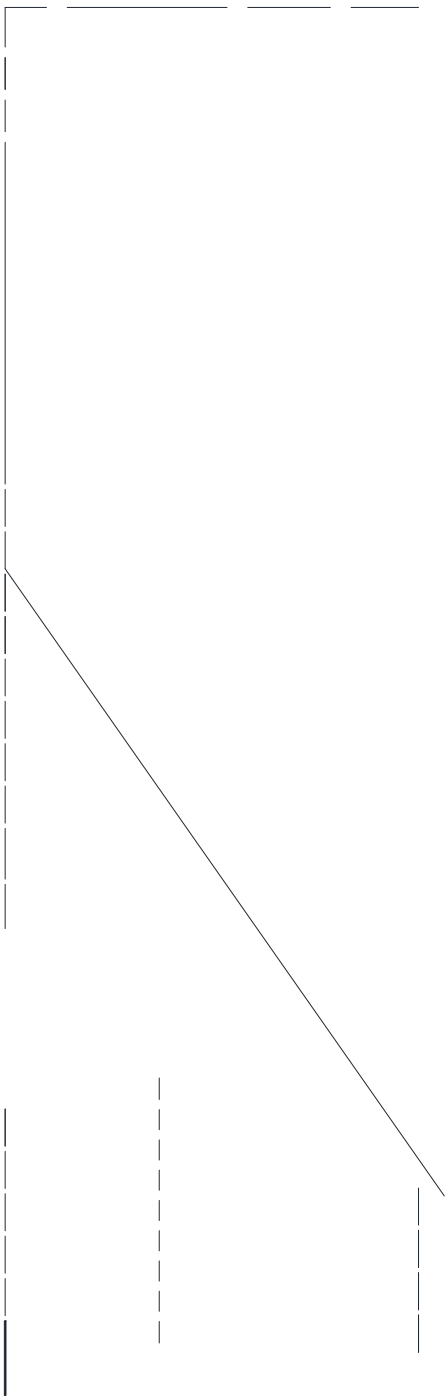
ˆ 1~ Lعج يح

~	1	2	3	4	5	6	7	8
O	+10V	GND	AI1+	AI1-	AI2+	AI2-	AO1	COM
~	9 ش	10	11	12	13	14	15	16
O	5	COM	DI1	DI2	DI3	DI4	COM	DI5
O	AO2							

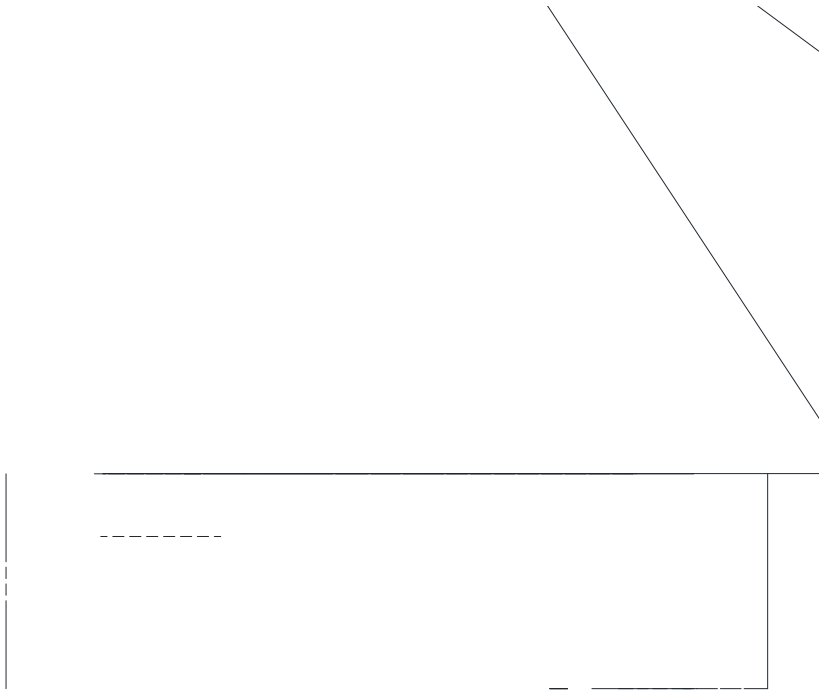
23	ˆ	+24V˜'	24V		₣'				
24	ˆ	DO2˜'		₣	2			₣	DC24V 50mA ץ Ѝ'
25	ˆ	+24V˜'	24V		₣'				
26	ˆ	DO3˜'		₣	3			₣	DC24V 50mA ץ Ѝ'
27	ˆ	DO4A˜'		₣	4	˘	๙	₣'	
28	ˆ	DO4C˜'		₣	4 `E ¯	'			
29	ˆ	DO4B˜'		₣	4	˘	๙	₣'	
30	ˆ	DO5A˜'		₣	5	˘	๙	₣'	
31	ˆ	DO5C˜'		₣	5 `E ¯				

4.4 ï ø ¾

6 Ⅱ



4.5 Í ¸ Á ±



4.6 ﻳﺮ

G2 ↓'
6 ‖ '

4.7

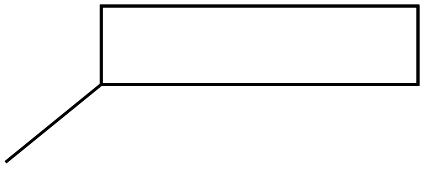
ر ~ / ₣ ^ mm^2~ ₩ر^ A~

ĺ ر ^ A~ ^ CEFR ۱ 40% ևւ ƀ (AC-

ǎ ƀ~ 3)AC

HF500LC-800-6-S	920	4*95	845
HF500LC-900-6-F	1075	2*120	986
HF500LC-1000-6-F	1210	4*120	1108
HF500LC-1120-6-F	1335	4*150	1223
HF500LC-1200-6-F	1465	4*150	1344
HF500LC-1400-6-F	1640	4*[illegible]00-6-F	150[illegible]
HF500LC-1600-6-F	1750	4*240	1603

4.8 ₹´ ৫



أ ج

□ ǐ ⸗ ⸗ ⸗

b ﺵﻲ

ﻕ ' ﺏ ﺍ ﻟ ﻄ ﻛ ﻕ ﺃ ﻝ ﻙ ﻝ ﻛ ﻩ 4

ﻛ ﺇ ﻄ 3 ﻫ ﻛ 1 ﺽ

№ ' ﻩ ﺍ ﻩ ﻟ ﺽ ﺏ ﺍ ﻛ ﺃ ﻙ ﻙ PLC

ﻥ ﻛ ﺇ ﻱ ﻭ ﻝ ﻍ ﺇ ﻝ ﻕ ﻝ ﺏ ﺍ ﻛ № ﻛ

№ ﻣ №ﻫ ﻝ ﻍ ﻝ ﻛ ﺍ ﺽ ﻩ ﻱ ﻝ ﺏ ﺍ

Ḡ 20cm ﻱ

ﻟ ﺽ ' ﻟ ﺽ ﻩ Ḥ ﻣ ^ ~ ﻍ ﻕ ^ ~ ﺃ ﻙ ﻛ

ﻕ ﻳ №ﻫ ﻍ ﻑ Ḥ ﻣ ﺇ ﻕ ﻛ ﻝ ﻕ ﻛ ﺏ ﺽ ﻛ Ḥ

ﻣ ﻍ ﻕ № ﻍ ﺏ ﺍ ﻝ ﻛ Ḥ ﻫ ﺽ ^ 20cm ﺽ ~ ﻍ ﻛ

ﺏ ﻫ ﺽ ﻩ Ḥ ﻣ ﻕ ﻛ ﻫ ﻍ Ḡ 90

ﻕ ﻍ ﻑ Ä ﺏ ﻛ ﺽ ﻩ ﻛ ≠ ﺽ ﻝ ﻙ ﻛ ﺵﻲ ﻛ

Ψ ﻕ ﻝ ﻑ № ﻛ ﻝ ﻕ ﻝ ﻙ ﻛ ﺏ

c ﺽ

ﺃ ﻙ ﺽ ﺏ ﻩ ﻉ ﻣ ﺽ ﺽ ﺏ ﻫ ﺵ ﻍ ﻉ ﻛ ﻑ Ä

= EMC ﻝ ﻱ ﻛ ﺫ ﻭ

ﺽ № ' ﻑ ﺽ ﺽ ﺽ ﺽ ﺽ ﻱ ﺽ ﺏ ﺍ ﻟ

ﻑ ﺽ ﺽ ﻛ ﻩ ﺍ ﻟ ﻄ ﺏ ﺍ ﺽ ﺽ ﻛ ﻩ ﺍ ﻉ

Ţ ﺏ ﺍ ﺽ ﻱ ﺽ

d

ﻍ ﺽ ﻭ = G №

ﻍ ﺃ ﻙ ﺽ ﺽ ﻛ ﺏ Ψ ~ ﺃ ﻙ

ﻑ ﻣ ﺽ ﺇ ﻉ ﻛ ﻣ ﻕ ﻙ ﻙ ﺇ ﻉ

ﻛ ﺏ ﺃ ﻙ ~ ﻑ ﻭ №

ﺏ ﺃ ﻙ ﻛ ﺃ ﻙ

ﻛ Ä

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e ﻝ ﻙ ﻛ

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ك ح ì н '

ĺ ح ~ ₰ ك ح˘ ą ì ь ì

ì ~ ₰ ك ح ĺ ا ح˘ ą ì ь ĺ ح

5.2 ƀ

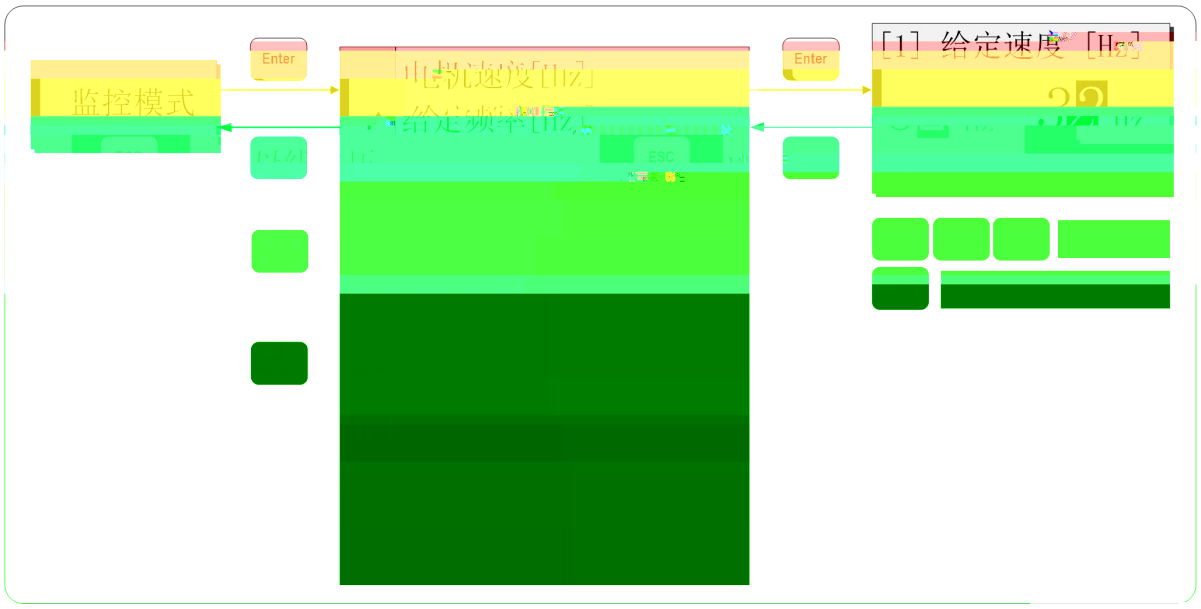
ỵ h ヽ ż h J ヽ


静态自学习
故障记录

5.4 ϟ

ˆ 1˜ ˆ Drive Monitor˜

ΐ ϑ ˜ ₣(I/O) ἐ ν



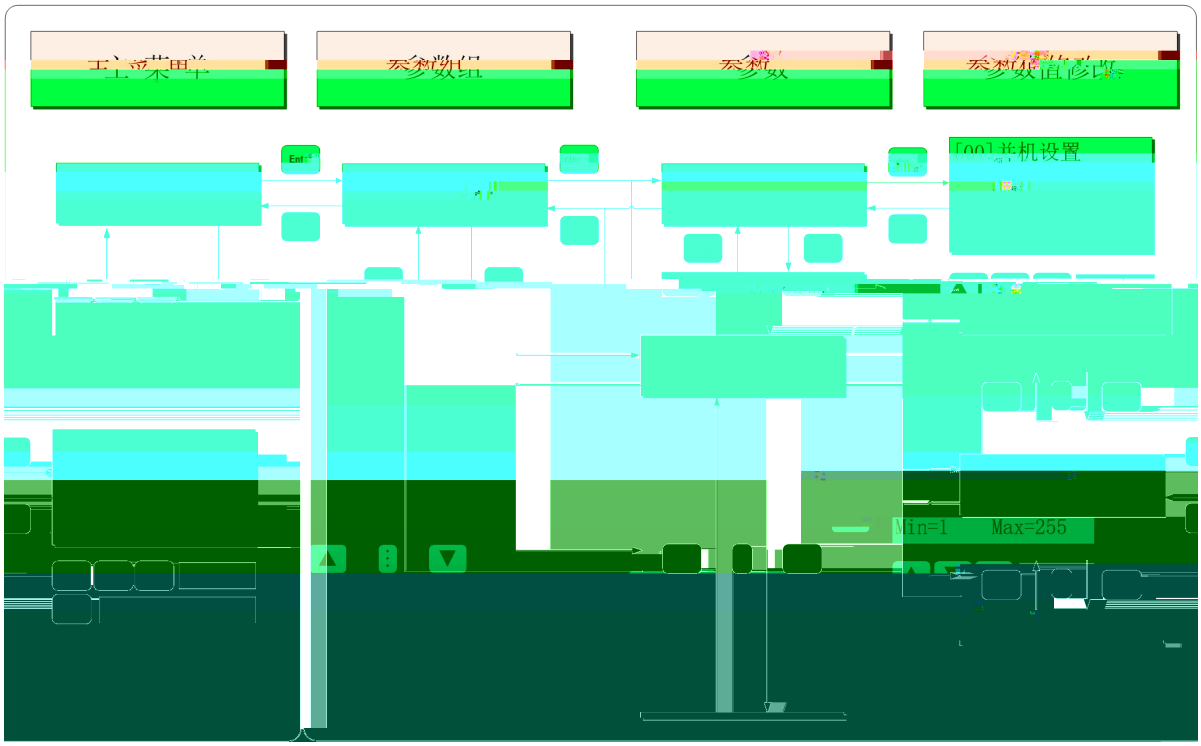
№ ϟ β ΰ

ϽϽϽϽ

ˆ 2˜ ă ˆ Parameter Edit˜

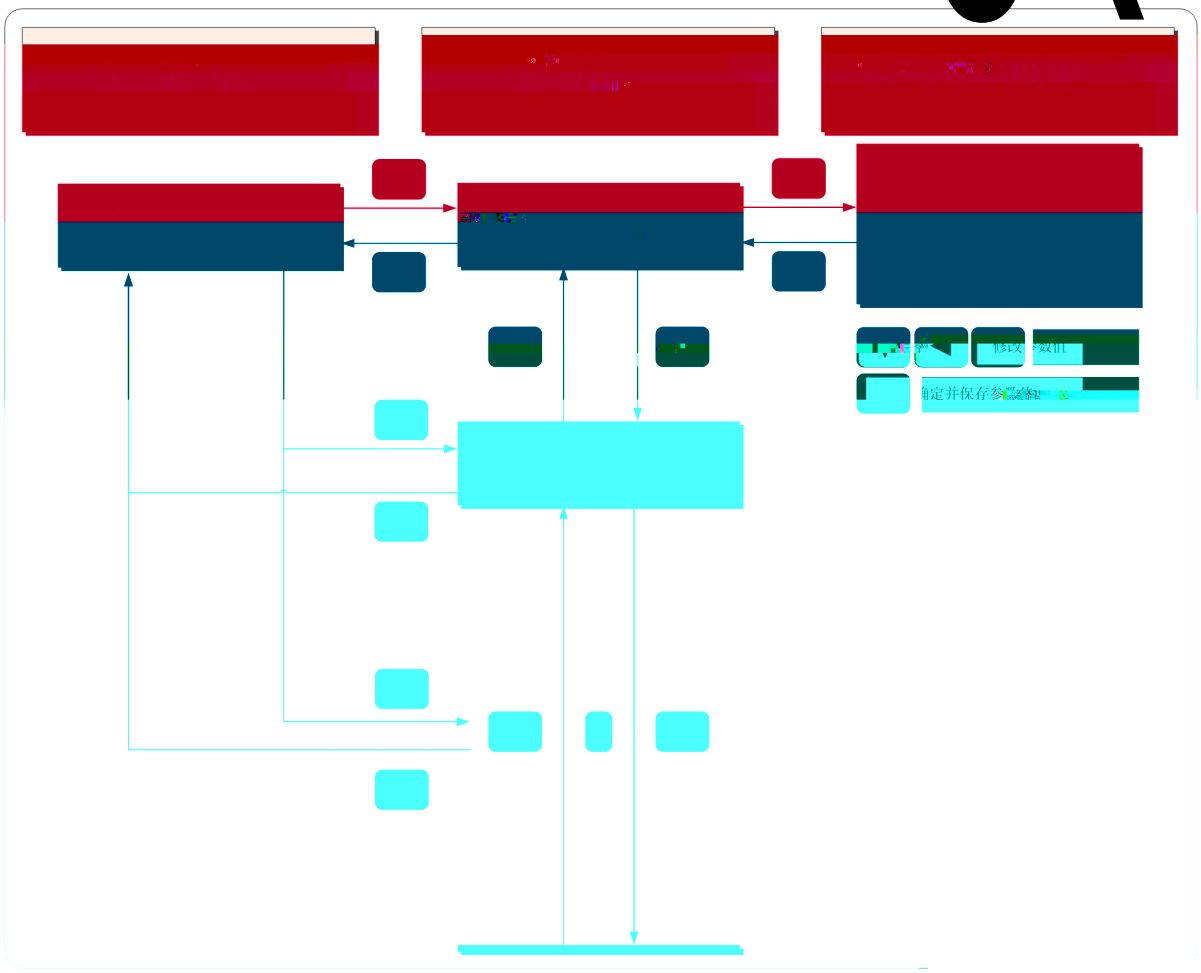
˜ ˅ ĩ ڪ ă ќ ض ă Ţ ŭ ≠ ă Ь

˘ ⌠ ŭ ˆ ҥ U ă Ѝ ڍ



ˆ 3˜ ắ ẏˆ Reference Set˜

˜ ĩ ȿ ė ˘ ƀ Ѝ,ⱬ'



№	ϒ β	ắ
Speed	[Hz]	ϒ β ч HzR•)`$„È ypÑN†SXBã“U
	[%]	ʊ ʃ ч % w

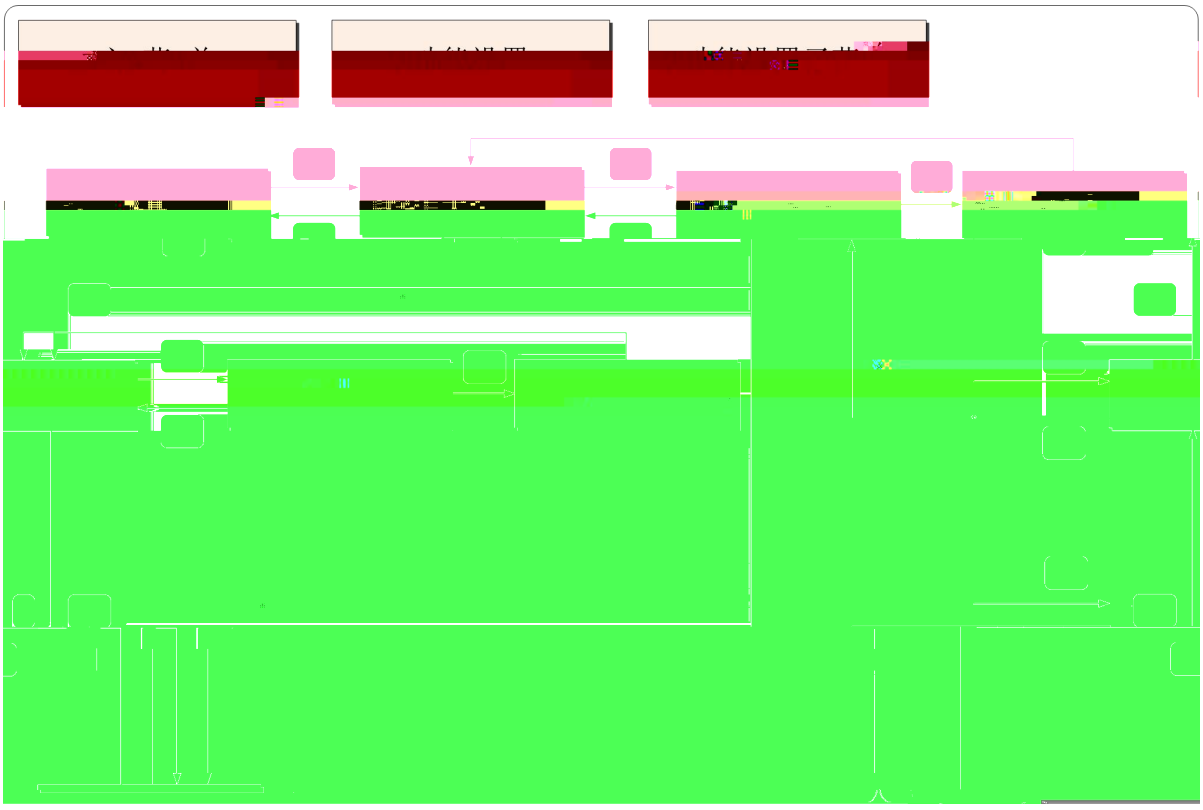
Reference Set
ắ ẏ

ˆ 4˜ w ˆ Function Set˜

w ˆ Function Set˜ ´ Ơ ä ă Δ . β

м ∕ ă

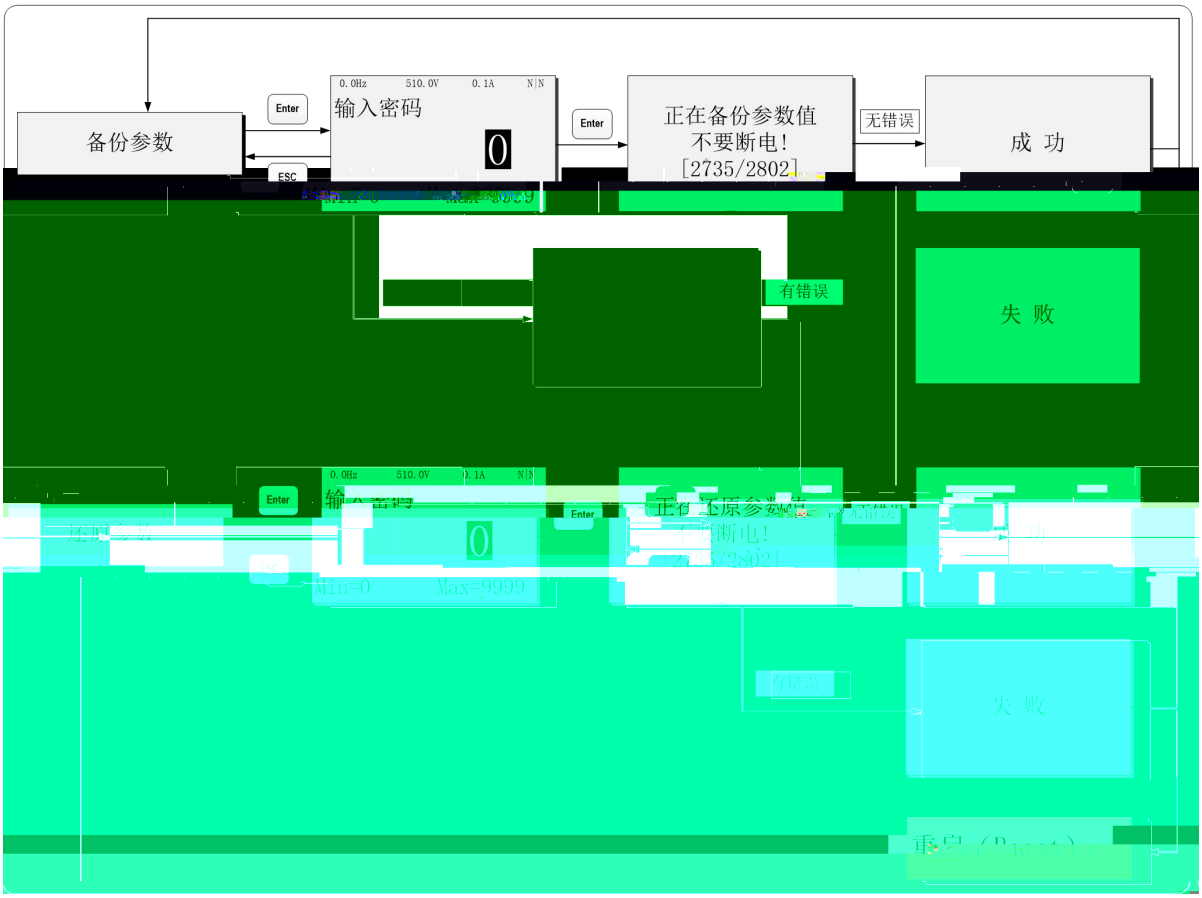
ƀ Й,ﻱ'



	№	ă
w Function Set	ä	ä
	˫ ä	˫ ä
	˫ ä	˫ ä
	äˆ AFE˜	ضAFE └ Й,
	ă	ă
	ă Δ .	ă Δ . ч Δ ų
	β	ĩ ﺝ ˘ G
	м ă	ض ă м
	∕ ă	∕ н, ╠ м ă
	ă	ă ė м ă ˘ U ↓ ₣ ќ ă ˆ м ă ч Δ . U ₣ ∧ ų ˘ ₣ ă ч ₣ ∧ ų ĩ ă ~

м ǎ ˇ ˆ ɣ м ╠ ǐ ς ǎ ˆ ´ ɜ ǎ ˜ ą w ˆ ɣ м ỵ˘ ʌ ⌠ □ ˆ ǐ ς ˙ ' ỉ Ъ ỉ Ъ Йˌ ˇ

ʌ ǎ ˇ ˆ ɣ м ǎ ʌ ∓ ˇ ˆ ɣ Ъ g ʌ м ǐ ς˘ ˷ ˆ ɣ ʌ Ъ ∓ ˇ ϥ ˇ ϥ м '^ 1˜ ضÅ U Ъ˘ ỉ Ъ ˇ ʌ Ъ ψ ǐ ς β ^ 2˜ ʌ ǎ w U˘ Ъ ʏ ˇ 5№ ʌ Ъ Йˌ '



ă ˘ w м ă ˘ ˆ γ ą w ќ ă ˘

η Ѝ ▲ Ⓟ Ъ ѿ ă ˘ “ Enter ” ˆ γ ~ ќ ă

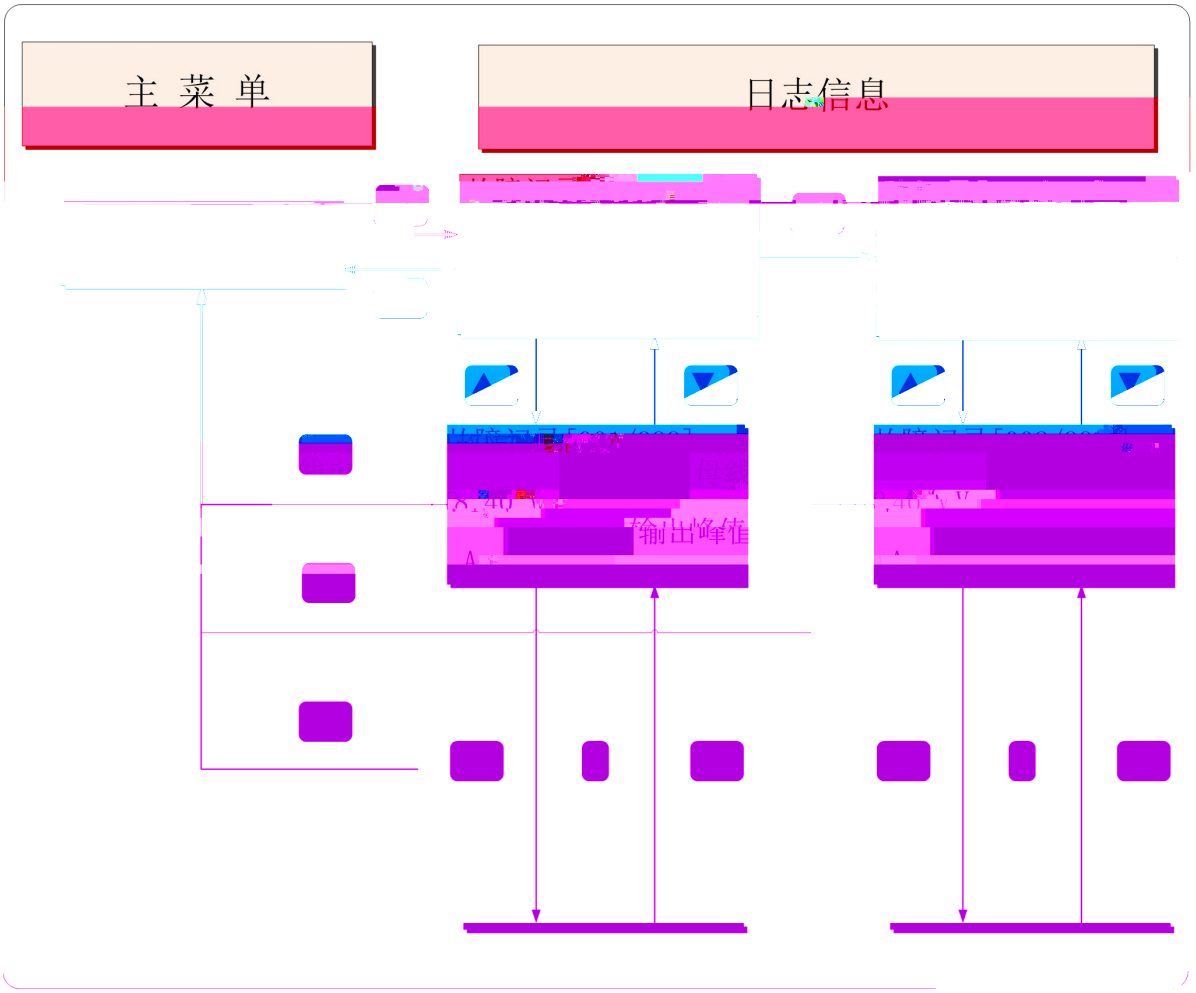
' ă ѿ ψ ă ˘ ғ м ў ˘ Ъ ˘

Ъ ⁓ Ѝ'



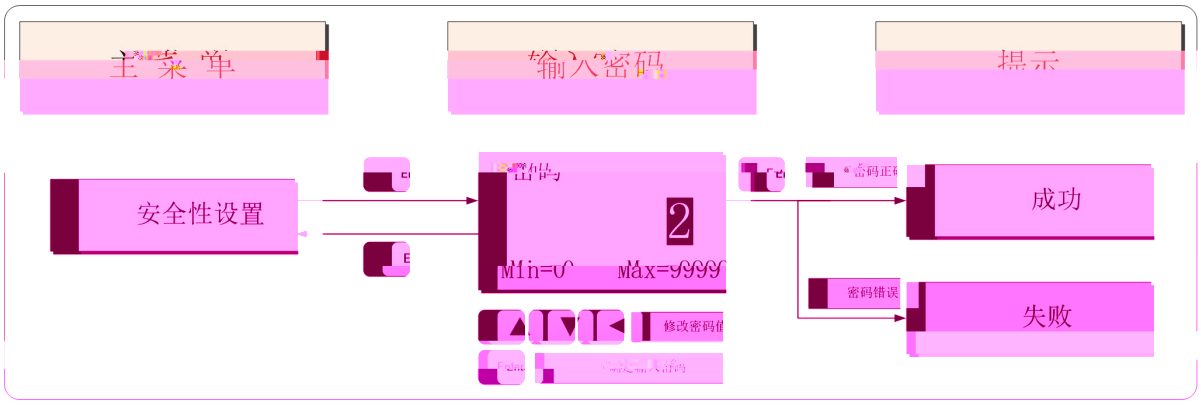
ˆ 5˜ ˆ Error Event Log˜

˘ ˆ ɣ Ʉʊ Ɐ Ɨ ƀ Ƙ



ˆ 6˜ ŋˆ Security˜

ˬ Ţ˜ ą ǎ ≠ ė ḱ ƀ Й˛˙

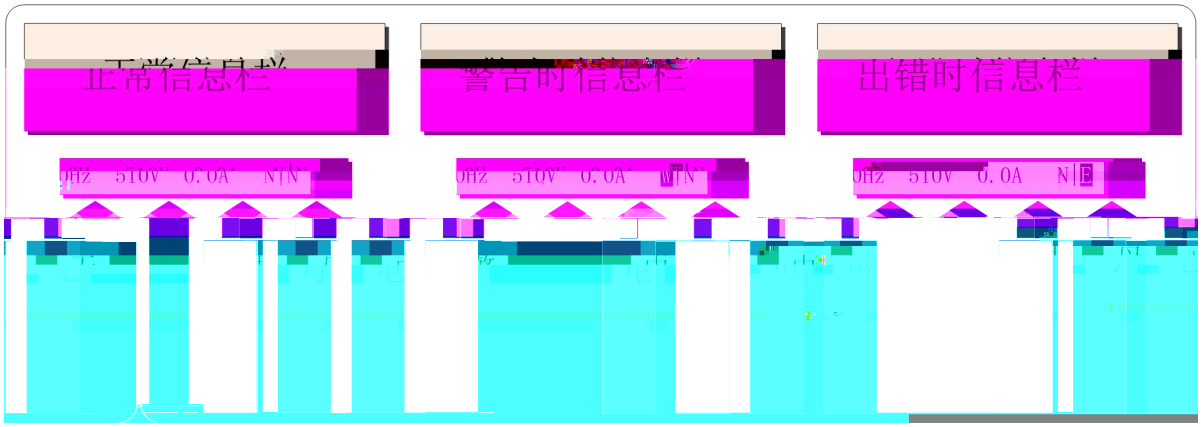


	№	ǎ
ŋ	˜	ą ḱ ǔ ≠ ǎ ˘ ⌈ ˝ G ḱ D˩ ˋE˜

ˆ 8˜ Ḥ ˆ Information Bar˜

Ḥ Ψ ϸ˜ Ψ ₣ ϥ ɇ ṗ Ḥ

Ḥ ˆ ϒ Ї ϛ ϩ ЙϦ



ˆ 9˜ ϸ ɇ ˆ Warning and Error˜

Ŭ ˇ ϶ Ḥ ˇ ϸ ɇ ˇ ضي

ЙϦ ˆ ϒ ą “ RESET ” β ˆ ϒ ą “ ESC ” ϸ ɇ

ˇ Ḥ ɯ Ψ ϸ ϸ ɇ

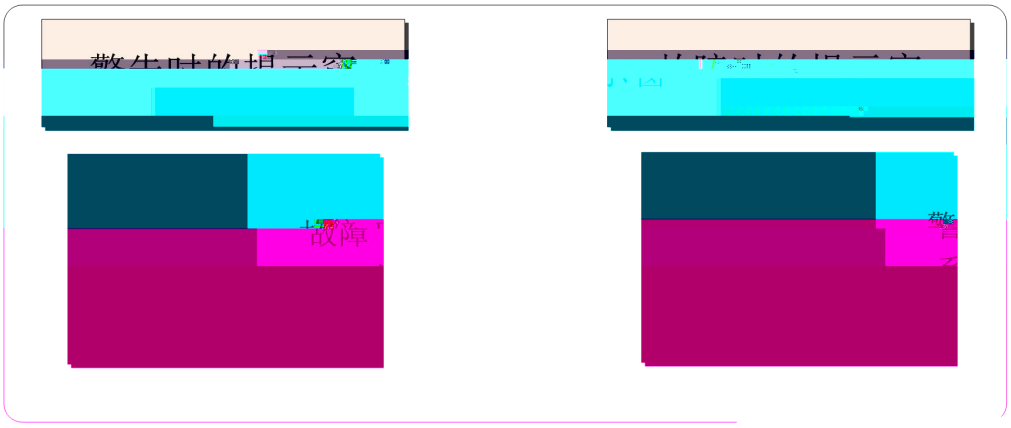
ضي U˘ β˘ ˆ ϒ ą “ ” Ţ “ ”

ت ₣ ϸ ɇ ˇ U ̓P “ RESET ” β

ضي U˘ β˘ ˆ ϒ ą “ ” Ţ “

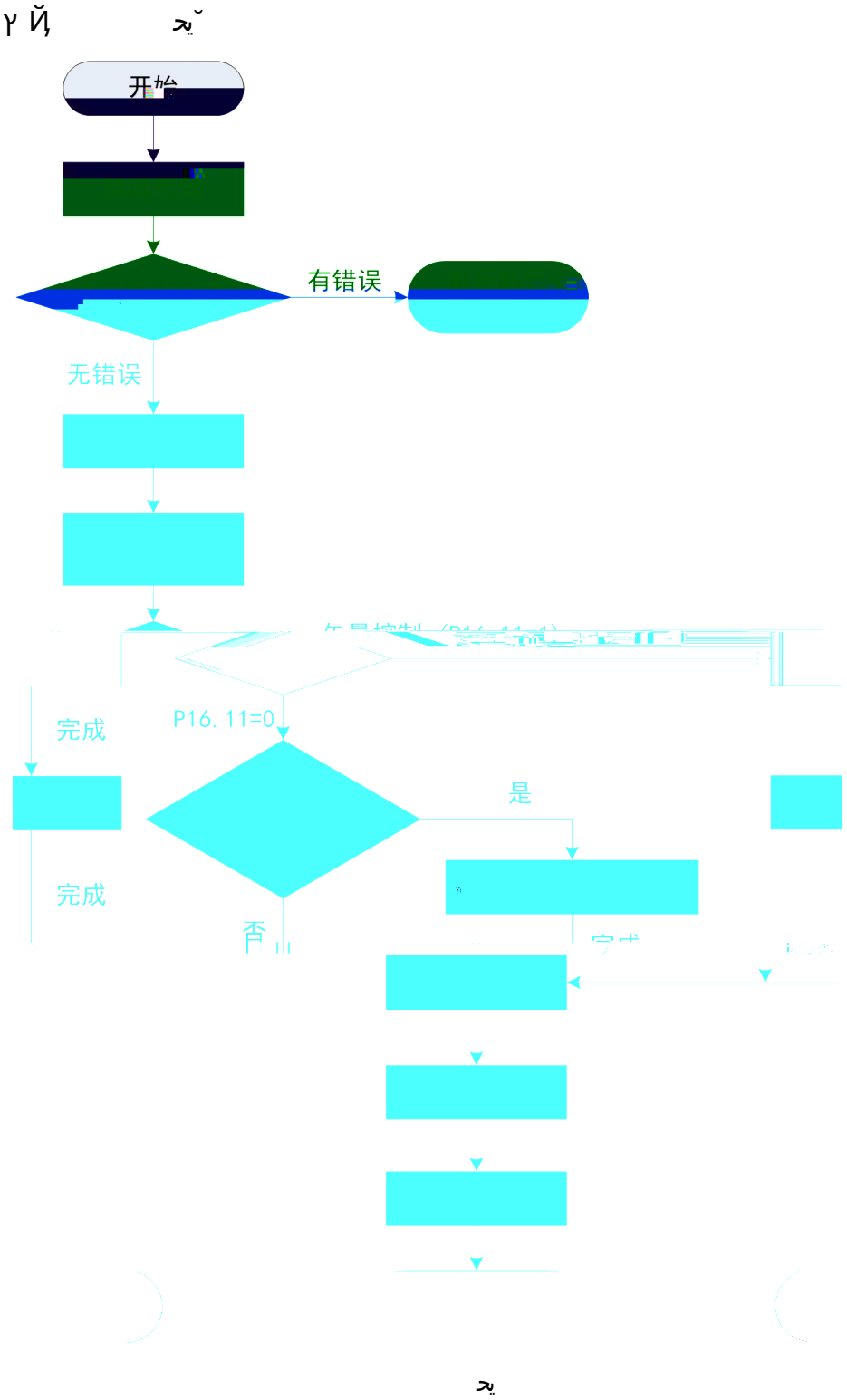
ɇ ϸ ” ₣ ˇ U ̓P “ RESET ” β 15 Ъ Ъ ˇ

ϸ ɇ ¯ ₣



6. Í ¸

6.1 Í ¸



'

ضي ą Ъ Ą ä ╠˘ Ⱶ ضر/ ч ضر

L Δ ν V/F L^ P16.11=0˜ ч ↄ ⌠ L ˘ V/F

L ä Ą ä

L№ ч L^ P16.11=2˜ ė L^ P16.11=1˜ ضي

L Й ä ė˘ ä ă ˘ Ä G L

ضي Ð˜Ң Й˘ Ą ä ė˘ ä

6.2 f

6.2.1

Ⱶ γ Й U˘ 'P

^ 1˜ ∕ Ղضي˜Ң ڜ ṗ'

AC660~690V 50/60Hz

^ 2˜ ₣ ^ U,V,W˜ ė Ղ '

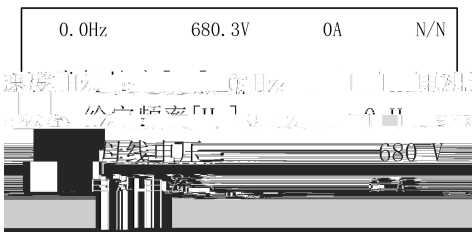
^ 3˜ f Ł Ь ỉ ɾ Ł Ղ '

^ 4˜ ą PG ∕ ˘ PG ∕ Ь ∕ Ղ '

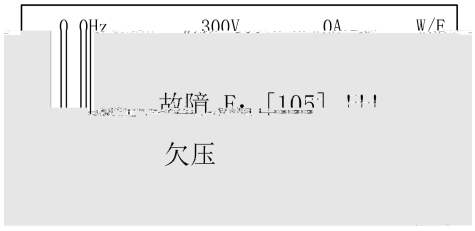
^ 5˜ Ղضي ^ Ь ˜

6.2.2

˘ Ъ ˘ ' Й ىد



Ũ ˘ Ь Ь Й ىد ч Ũ ىد ˘ γ ∕ ч '



6.2.3 ǎ Δ .

ǎ Δ . ˘ ǎ ẏ ẏ Í r 5.4 Ţ “ w ”

6.2.4 ǎ

Ω Å └ǎ ˘ Í r 7.7

w	O		ẏ
		[0] ~	
		[1] ƀ	
P8.0	Ω	[2]DP	1
		[3]MODBUS	
		[4] w شج	
P8.3	Å	[0] تج Å	1
		[1] Å	
P8.6		0 300s	0
P8.7	U Ḡ	Å Ḡ	0
		[0]I/O	
		[1] ~ 1	
		[2] ~ 2	
P8.10		[3] ƀ	3
		[4]DP	
		[5]MODBUS	
		[6] w شج	
P8.14	ẏ Ò	0.1 10.0	1
P8.15	ẏ Ⅵ 1	₩ ɷ ẏ	100
P8.16	ẏ 1	ɾ Å ⌡ P8.15 ẏ ẏ	3
P8.17	ẏ Ⅵ 2	ʜ ɷ ẏ	200
P8.18	ẏ 2	ɾ P8.15 ẏ ⌡ P8.17 ẏ ẏ	4
P8.33	⁞ Ò	0.1 10.0	1
P8.34	⁞ Ⅵ 1	₩ ɷ ⁞	100
P8.35	⁞ 1	ɾ P8.34 ẏ ⌡ Å ⁞	3
P8.36	⁞ Ⅵ 2	ʜ ɷ ⁞	200
P8.37	⁞ 2	ɾ P8.34 ẏ ⌡ P8.36	

ă

w	ă O	ų
P16.0	~ ۱	380V
P16.2	w	ă
P16.3	۱	ă
P16.4		ă
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]

6.2.5 ă ä

L ˘ ä ų Ѝ ä˘

ˉ ă

^ 1~ L

P16.11 ų˘ ч [1] [2] ↕ ч L˘ ä ɛˉ

ä ч [0] ↕ ч V/F L˘ ۷ ä

^ 2~ ä

ضي V/F L Ѝ ä Ӟ ч ä˘ ۷

^ P20.74~ ų ضي L Ѝ ä Ψ ų ǐ ă

^ P20.74 P20.78 P20.79 P20.84~

ضيw Ţ Ţ ä˘ U ˘ ä ä Ţ “

ä ضي ” ä U “ ä ”

^ 3~ ˉ ä

ضي L Ѝ ˉ ä˘ ˉ ä ɳ P20.79 P20.84 ă ų˘

₣ P20.85~P20.97 ă ų ضيˉ ä ң ╠˘ L Ѝ

6.2.7 Йį

Йį ضي Йį

╠ ė ԵՒڂ ŋ˘ Å ڊ ė ŋ Ղ

˫ ƀ Ղ ˆ Ղ ï˝ ˫ ~˜ ₰

ė ⁞ Ղ

ą ƀ ƀ Йį '

ˆ 1˜ ˘ Δ ’

ˆ 2˜ ч ض L˘ LOCAL/REMOTE LOCAL˘ LOCAL ˳ ’

ˆ 3˜ ƀ RUN ˘ ǐ ک˜ RUN ˳ ˘ ’ˆ

ч 5Hz˜

ˆ 4˜ ץ h ˘ ғ ǐ ک ’

ˆ 5˜ 4 Ţ ˘ ↕ ₰ ṿ 50Hž ƀ

ǂ ˘ Ḡ Ь ǂ ’

ˆ 6˜ U˘ STOP ˘ Å

6.2.8 Йį

Йį Йį

ץ ЙįНυ '

ˆ 1˜ ė ԵՒڂ ŋ’

ˆ 2˜ ŋ Å ’

ˆ 3˜ ’

ˆ 4˜ ₭ ˫ ˘ ė ₰ ’

ˆ 5˜ Å ڊ ė ᵕ ŋ Ղ ˫ ƀ’

ˆ 6˜ ч ǂ ’˘ Ạ Йį ƀ STOP ‰

γ ΰΉ '

ˆ 1

O :.žB

7. Ť ⸗ ğ

7.1 P1

w	O		ж	ỵ	
P1.21	' ↓ ą	[0] ; [1] ą ;	0˙ 1	0	

7.2 ǐ P2

w	O		ж	ỵ	
P2.0		[0] ɬ ' ƀ ч ɬ ą ’ [1] ɦ' ƀ ч Ţ ɦ ą ’ [2] ɾ' ƀ ч Ţ ɾ ą	0˙ 2	0	8.1
P2.1	Ⓟ	Ⓟ [0] ~' L Ⓟ ’ [1]DP ' L Ⓟ	0˙ 1	0	
P2.2		[0] Ţ ’ [1]	0˙ 1	0	
P2.3	ɾ	’ Ӣ˘ ɾ	0˙ 5	1	

7.3 ~ P3

w	O	ж	ỵ
P3.0	~ 1 ˆ w	0	

24	Å	ą
25	FUNC 25	
26	⌟ L	L L ↕ L
27	FUNC 27	
28	Ḥ̂	Ḥ̂ Ч
29	FUNC 29	

7.4 ₹ P4

w	O					ж	ỵ
P4.0	₹	1	w	˜	₹	0˙ 64	0
P4.1	₹	2	w	˜	₹	0˙ 64	0
P4.2	₹	3	w	˜	₹	0˙ 64	0
P4.3	₹	4	w	˜	₹	0˙ 64	0
P4.4	₹	5	w	˜	₹	0˙ 64	0

P4.16

12		ᵽ		ᵾ	ᵽ	
13		ᵽ		ᵾ	ч	
14		ᵽ		ᵾ		ᵽ
15		ᵽ		ᵾ		ᵽ
16	FUNC 16					
17		0		1	Ḥ̂	
18		1		2	Ḥ̂	
19		2		3	Ḥ̂	
20		3		4	Ḥ̂	
21	FUNC 21					
22	ʏ	L		ᵾ	ʏ	L ч
23		L		ᵾ		L ч
24˙ 31	FUNC 24˙ FUNC 31					
32	˜Ḥ	Ḥ̂	AFE	L	Ḥ̂	1v ŧ ŧ ŧ˝

Ь Ḯ

ƐՍИ

AI2

P5.19 AI2

ẏ Ì Ш ̀ Ì ¯
ą
ẏ ↕ Ψ
ẏ ; Й ¯ p ڒ Ψ ò Aĩ5ŽB$>

P6.6	A01 Ẓ ṿ	A01 Ẓ ṿ	-100.00˙ 100.00 [%]	0.00 [%]	
P6.7	A01 ₰ ₹	A01 ₰ ₹ (P6.0 ч [13] ṿ)	0.0˙ 100.0 [%]	0.0 [%]	
P6.8	A01	A01 ₹ ṿ ǐ ևـ مخ ì ˫ ą ṿ ↕ Ψ ₹ ṿ ː Й ˫ p ڒ Ψ ǐ	0.0˙ 1000.0 [ms]	10.0 [ms]	
P6.14	A02 ₹	7-1	0˙ 14	4	
P6.15	w˙ شجـ ₹ 2	w˙ شجـ ₹ ṿ	0˙ 1000	0	
P6.16	A02 ₹ ṿ	A02 ₹ ṿ	-300.0˙ 300.0 [%]	0.0 [%]	
P6.17	A02 ₹ ṿ	A02 ₹ ṿ	-300.0˙ 300.0 [%]	100.0 [%]	
P6.18	A02 ₹ [mA˜ V]	A02 ₹	0.0˙ 100.0 [%]	0.0 [%]	
P6.19	A02 ₹ [mA˜ V]	A02 ₹	0.0˙ 100.0 [%]	100.0 [%]	
P6.20	A02 Ẓ ṿ	A02 Ẓ ṿ	-100.00˙ 100.00 [%]	0.00 [%]	
P6.21	A02 ₰ ₹	A02 ₰ ₹ (P6.14 ч [13] ṿ)	0.0˙ 100.0 [%]	0.0 [%]	
P6.22	A02	A01 ₹ ṿ ǐ ևـ مخ ì ˫ ą ṿ ↕ Ψ ₹ ṿ ː Й ˫ p ڒ Ψ ǐ	0.0˙ 1000.0 [ms]	10.0 [ms]	

P7.8	[1]	1	0.0˙ 100.0 [%]	20.0 [%]	8.6
P7.9	[2]	2	0.0˙ 100.0 [%]	20.0 [%]	8.6
P7.10	[3]	3	0.0˙ 100.0 [%]	20.0 [%]	8.6
P7.11	[4]	4 0			

P7.77	۱ ṿ		0.0˙ 200.0 [%]	15.0 [%]	
P7.94	˫ ƀ	[0] L [1] ۱ L	0˙ 1	1	
P7.95	˜Ḥ	AFE L Й ˜Ḥ	0.0˙ 3000.0 [s]	15.0 [s]	
P7.96	˜	˜	0.00˙ 300.00 [s]	0.00 [s]	

7.8 1 Ω Å L P8

w	O		مخ	ṿ	
P8.0	Ω˫	[0] ~ [1] ƀ [2]DP [3]MODBUS [4] w جشم	0˙ 4	0	
P8.1	جشمΩ˫	Ω˫ w جشم			
P8.2	جشم h	h w جشم			
P8.3	Å	[0] تمج Å [1] Å	0˙ 1	0	8.7
P8.6			0.00˙ 300.00 [s]	0.00 [s]	8.7
P8.7	U Ḡ	Å Ḡ	0.00˙ 300.00 [s]	0.00 [s]	8.7
P8.10		[0]I/O [1] ~ 1 [2] ~ 2 [3] ƀ [4]DP [5]MODBUS [6] w جشم	0˙ 6	0	
P8.11	جشم	w جشم			
P8.13	۷ L	[0] [1]PROFIBUS [2]MODBUS [3] ض	0˙ 3	0	8.7

P9.16	٧ 1	ر Å ⌡P9.15 ٧ ٧	0.0˙ 300.0 [s]	3.00 [s]	8.7
P9.17	٧ ٧ 2	٢ ٥ ٧	0.0˙ 300.0 [%]	200.0 [%]	8.7
P9.18	٧ 2	ر P9.15 ٧ ⌡P9.17 ٧ ٧	0.0˙ 300.0 [s]	4.00 [s]	8.7
P9.19	٧ ٧ 3	٥ ٧	0.0˙ 300.0 [%]	240.0 [%]	8.7
P9.20	٧ 3	ر P9.17 ٧ ⌡P9.19 ٧ ٧	0.0˙ 300.0 [s]	7.00 [s]	8.7
P9.21	٧ ٧ 4	٥ ٧	0.0˙ 300.0 [%]	300.0 [%]	8.7
P9.22	٧ 4	ر P9.19 ٧ ⌡P9.21 ٧ ٧	0.0˙ 300.0 [s]	10.00 [s]	8.7
P9.23	٧ ٧ 5	٥ ٧	0.0˙ 300.0 [%]	300.0 [%]	8.7
P9.24	٧ 5	ر P9.21 ٧ ⌡P9.23 ٧ ٧	0.0˙ 300.0 [s]	10.00 [s]	8.7
P9.25	٧ ٧ 6	٥ ٧	0.0˙ 300.0 [%]	300.0 [%]	8.7
P9.26	٧ 6	ر P9.23 ٧ ⌡P9.25 ٧ ٧	0.0˙ 300.0 [s]	10.00 [s]	8.7
P9.27	٧ ٧ 7	٥ ٧	0.0˙ 300.0 [%]	300.0 [%]	8.7
P9.28	٧ 7	ر P9.25 ٧ ⌡P9.27 ٧ ٧	0.0˙ 300.0 [s]	10.00 [s]	8.7
P9.29	٧ ٧ 8	٥ ٧	0.0˙ 300.0 [%]	300.0 [%]	8.7
P9.30	٧ 8	ر P9.27 ٧ ⌡P9.29 ٧ ٧	0.0˙ 300.0 [s]	10.00 [s]	8.7
P9.32	⁞ L	[0] [1]PROFIBUS [2]MODBUS [3] ض	0˙ 3	0	8.7
P9.33	⁞ Ô		0.1˙ 10.0	1.0	8.7
P9.34	⁞ ٧ 1	٥ ⁞	0.0˙ 300.0 [%]	100.0 [%]	8.7

P9.35	⋮ 1	⌈P9.34 ÿ ⌉Å ⋮	0.0˙ 300.0 [s]	3.00 [s]	8.7
P9.36	⋮ Ⅵ2	Ⱨ ⓠ ⋮	0.0˙ 300.0 [%]	200.0 [%]	8.7
P9.37	⋮ 2	⌈P9.34 ÿ ⌉P9.36 ÿ			

P9.58	Å ⁞		0.00˙ 300.00 [s]	1.50 [s]	

7.10 3 Ω Å L P10

w	O		ض	ṿ	
P10.0	Ω	[0] ~ [1] ƀ [2]DP [3]MODBUS [4] w ﺝﺸ	0˙ 4	0	
P10.1	ﺝﺸ Ω	Ω w ﺝﺸ			
P10.2	ﺝﺸ h	h w ﺝﺸ			
P10.3	Å	[0] ﺗﺠ Å [1] Å	0˙ 1	0	8.7
P10.6			0.00˙ 300.00 [s]	0.00 [s]	8.7
P10.7	U Ḡ	Å Ḡ	0.00˙ 300.00 [s]	0.00 [s]	8.7
P10.10		[0]I/O [1] ~ 1 [2] ~ 2 [3] ƀ [4]DP [5]MODBUS [6] w ﺝﺸ	0˙ 6	0	
P10.11	ﺝﺸ	w ﺝﺸ			
P10.13	ѵ L	[0] [1]PROFIBUS [2]MODBUS [3] ﺽ	0˙ 3	0	8.7
P10.14	ѵ Ỗ		0.1˙ 10.0	1.0	8.7
P10.15	ѵ ٧1	₩ ѵ	0.0˙ 300.0 [%]	100.0 [%]	8.7
P10.16	ѵ 1	ɾ Å ⌡P10.15 ṿ ѵ	0.0˙ 300.0 [s]	3.00 [s]	8.7

P10.17	٧	٧ 2	٧ ق ٧	0.0	300.0 [%]	200.0 [%]	8.7
P10.18	٧	2	ر P10.15 ٧ ع P10.17 ٧	0.0	300.0 [s]	4.00 [s]	8.7
P10.19	٧	٧ 3	٧ ق ٧	0.0	300.0 [%]	240.0 [%]	8.7
P10.20	٧	3	ر P10.17 ٧ ع P10.19 ٧	0.0	300.0 [s]	7.00 [s]	8.7
P10.21	٧	٧ 4	٧ ضم ق ٧	0.0	300.0 [%]	300.0 [%]	8.7
P10.22	٧	4	ر P10.19 ٧ ع P10.21 ٧	0.0	300.0 [s]	10.00 [s]	8.7
P10.23	٧	٧ 5	٧ ق ٧	0.0	300.0 [%]	300.0 [%]	8.7
P10.24	٧	5	ر P10.21 ٧ ع P10.23 ٧	0.0	300.0 [s]	10.00 [s]	8.7
P10.25	٧	٧ 6	٧ ق ٧	0.0	300.0 [%]	300.0 [%]	8.7

[ز]]

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b 8

P1	2	Hᵁ ⍵	0.0	300.0	200.0	8.7
			[s]	[s]	%[%]	
P10.34	v ⌈ P10.36 v Ţv		0.0	300.0	4.00	

7.11 4 Ω Å L P11

w O			ظ Ỵ
	[0] ~		
	[1] ƀ		
P11.0 Ω¬	[2]DP	0˙ 4	0
	[3]MODBUS		
	[4] w ښ		
P11.1 ښ Ω¬			

P11.18	٧	2	ر P11.15 ٧	٧	⌈ P11.17 ٧	٧	0.0˙ 300.0 [s]	4.00 [s]	8.7
P11.19	٧	٧ 3	٧				0.0˙ 300.0 [%]	240.0 [%]	8.7
P11.20	٧	3	ر P11.17 ٧	٧	⌈ P11.19 ٧	٧	0.0˙ 300.0 [s]	7.00 [s]	8.7
P11.21	٧	٧ 4	٧				0.0˙ 300.0 [%]	300.0 [%]	8.7
P11.22	٧	4	ر P11.19 ٧	٧	⌈ P11.21 ٧	٧	0.0˙ 300.0 [s]	10.00 [s]	8.7
P11.23	٧	٧ 5	٧				0.0˙ 300.0 [%]	300.0 [%]	8.7
P11.24	٧	5	ر P11.21 ٧	٧	⌈ P11.23 ٧	٧	0.0˙ 300.0 [s]	10.00 [s]	8.7
P11.25	٧	٧ 6	٧				0.0˙ 300.0 [%]	300.0 [%]	8.7
P11.26	٧	6	ر P11.23 ٧	٧	⌈ P11.25 ٧	٧	0.0˙ 300.0 [s]	10.00 [s]	8.7
P11.27	٧	٧ 7	٧				0.0˙ 300.0 [%]	300.0 [%]	8.7
P11.28	٧	7	ر P11.25 ٧	٧	⌈ P11.27 ٧	٧	0.0˙ 300.0 [s]	10.00 [s]	8.7
P11.29	٧	٧ 8	٧						

P11.37	⋮	2	⋮	⌋ P11.34	∿	⌈ P11.36	∿	0.0 ˙ 300.0 [s]	4.00 [s]	8.7
P11.38	⋮	٧ 3	⋮	ق ⋮				0.0 ˙ 300.0 [%]	240.0 [%]	8.7
P11.39	⋮	3	⋮	⌋ P11.36	∿	⌈ P11.38	∿	0.0 ˙ 300.0 [s]	7.00 [s]	8.7
P11.40	⋮	٧ 4	⋮	ق ضه				0.0 ˙ 300.0 [%]	300.0 [%]	8.7
P11.41	⋮	4	⋮	⌋ P11.38	∿	⌈ P11.40	∿	0.0 ˙ 300.0 [s]	10.00 [s]	8.7
P11.42	⋮	٧ 5	⋮	ق ⌋				0.0 ˙ 300.0 [%]	300.0 [%]	8.7

[ ] [:

⋮ ٧ ٨

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⋮ 0٢.

⋮ ٢٥

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7.12 1 L- P12

w	O				
P12.0		[0] ~ [1]ʜ L	0˙ 1	1	8.8
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				

P12.27	ǐ h	ǐ h	0.00˙ 2.00 [s]	0.00 [s]	8.8
P12.28	h L	h	0.00˙ 2.00 [s]	0.07 [s]	8.8
P12.29	ǐ h L	ǐ h	0.00˙ 2.00 [s]	0.07 [s]	8.8
P12.32	h	h	0.0˙ 20.0 [%]	0.0 [%]	8.8
P12.33	ǐ h	ǐ h	0.0˙ 20.0 [%]	0.0 [%]	8.8
P12.34	h	h	0.00˙ 2.00 [s]	0.00 [s]	8.8
P12.35	ǐ h	ǐ h	0.00˙ 2.00 [s]	0.00 [s]	8.8
P12.36	h	h	0.00˙ 2.00 [s]	0.50 [s]	8.8
P12.37	ǐ h	ǐ h	0.00˙ 2.00 [s]	0.50 [s]	8.8

7.13 2 L- P13

w	O		ﻡ	ỵ	
P13.0		[0] ~ [1]ʜʊ L	0˙ 1	1	8.8
P13.1	٧ β	[0][%] [1][Hz] [2][rpm]	0˙ 2	1	
P13.2	1		0.0˙ 3000.0	10.0	
P13.3	2		0.0˙ 3000.0	20.0	
P13.4	3		0.0˙ 3000.0	35.0	
P13.5	4		0.0˙ 3000.0	50.0	
P13.6	5		0.0˙ 3000.0	50.0	
P13.7	6		0.0˙ 3000.0	50.0	
P13.8	7		0.0˙ 3000.0	50.0	
P13.9	8		0.0˙ 3000.0	50.0	
P13.10	9		0.0˙ 3000.0	50.0	

7.14 3 L- P14

w	O		مخ	ų	
P14.0		[0] ~ [1]ʜ L	0˙ 1	1	8.8
P14.1	٧ β	[0][%] [1][Hz] [2][rpm]	0˙ 2	1	
P14.2	1		0.0˙ 3000.0	10.0	
P14.3	2		0.0˙ 3000.0	20.0	
P14.4	3		0.0˙ 3000.0	35.0	
P14.5	4		0.0˙ 3000.0	50.0	
P14.6	5		0.0˙ 3000.0	50.0	
P14.7	6		0.0˙ 3000.0	50.0	
P14.8	7		0.0˙ 3000.0	50.0	
P14.9	8		0.0˙ 3000.0	50.0	
P14.10	9		0.0˙ 3000.0	50.0	
P14.11	10		0.0˙ 3000.0	50.0	
P14.12	11		0.0˙ 3000.0	50.0	
P14.13	12		0.0˙ 3000.0	50.0	
P14.14	13		0.0˙ 3000.0	50.0	
P14.15	14		0.0˙ 3000.0	50.0	
P14.16	15		0.0˙ 3000.0	50.0	
P14.17	16		0.0˙ 3000.0	50.0	
P14.22	h ų	h ų	0.0˙ 20.0 [%]	2.0 [%]	8.8
P14.23	ǐ h ų	ǐ h ų	0.0˙ 20.0 [%]	0.0 [%]	8.8
P14.24	h	h	0.0˙ 200.0 [%]	30.0 [%]	8.8
P14.25	ǐ h	ǐ h	0.0˙ 200.0 [%]	20.0 [%]	8.8
P14.26	h	h	0.00˙ 2.00 [s]	0.00 [s]	8.8

P14.27	ĩ h	ĩ h	0.00˙ 2.00 [s]	0.00 [s]	8.8
P14.28	h L	h	0.00˙ 2.00 [s]	0.07 [s]	8.8
P14.29	ĩ h L	ĩ h	0.00˙ 2.00 [s]	0.07 [s]	8.8
P14.32	h	h	0.0˙ 20.0 [%]	0.0 [%]	8.8
P14.33	ĩ h	ĩ h	0.0˙ 20.0 [%]	0.0 [%]	8.8
P14.34	h	h	0.00˙ 2.00 [s]	0.00 [s]	8.8
P14.35	ĩ h	ĩ h	0.00˙ 2.00 [s]	0.00 [s]	8.8
P14.36	h	h	0.00˙ 2.00 [s]	0.50 [s]	8.8
P14.37	ĩ h	ĩ h	0.00˙ 2.00 [s]	0.50 [s]	8.8

7.15 4 L- P15

w	O		ж	ỵ	
P15.0		[0] ~ [1]ʜʊ L	0˙ 1	1	8.8
P15.1	ɣ β	[0][%] [1][Hz] [2][rpm]	0˙ 2	1	
P15.2	1		0.0˙ 3000.0	10.0	
P15.3	2		0.0˙ 3000.0	20.0	
P15.4	3		0.0˙ 3000.0	35.0	
P15.5	4		0.0˙ 3000.0	50.0	
P15.6	5		0.0˙ 3000.0	50.0	
P15.7	6		0.0˙ 3000.0	50.0	
P15.8	7		0.0˙ 3000.0	50.0	
P15.9	8		0.0˙ 3000.0	50.0	
P15.10	9		0.0˙ 3000.0	50.0	

P15.11	10			0.0˙ 3000.0	50.0	
P15.12	11			0.0˙ 3000.0	50.0	
P15.13	12			0.0˙ 3000.0	50.0	
P15.14	13			0.0˙ 3000.0	50.0	
P15.15	14			0.0˙ 3000.0	50.0	
P15.16	15			0.0˙ 3000.0	50.0	
P15.17	16			0.0˙ 3000.0	50.0	
P15.22	h v		h v	0.0˙ 20.0 [%]	2.0 [%]	8.8
P15.23	ĩ h v		ĩ h v	0.0˙ 20.0 [%]	0.0 [%]	8.8
P15.24	h		h	0.0˙ 200.0 [%]	30.0 [%]	8.8
P15.25	ĩ h		ĩ h	0.0˙ 200.0 [%]	20.0 [%]	8.8
P15.26	h		h	0.00˙ 2.00 [s]	0.00 [s]	8.8
P15.27	ĩ h		ĩ h	0.00˙ 2.00 [s]	0.00 [s]	8.8
P15.28	h		h	0.00˙ 2.00 [s]	0.07 [s]	8.8
P15.29	ĩ h		ĩ h	0.00˙ 2.00 [s]	0.07 [s]	8.8
P15.32	h		h			

7.16 1 ǎ V/F P16

w O				
P16.0 ~ ۱		~ ۱	560˙ 760 [V]	690 [V]	
P16.2 w		ǎ	0.0˙ 3000.0 [kW]	۾ [kW]	
P16.3 ۱		ǎ	0˙ 700 [V]	690 [V]	
P16.4		ǎ	0.0˙ 3000.0 [A]	۾ [A]	
P16.5		ǎ	0.0˙ 300.0 [Hz]	50.0 [Hz]	
P16.6		ǎ	0˙ 6000 [rpm]	1465 [rpm]	
P16.7		ǎ	2˙ 12 [pole]	4 [pole]	8.9
P16.9 □		ǎ	0˙ 7200 [rpm]	1500 [rpm]	8.9
P16.11 L	[0]V/F L [1] [2] [3] ۶ [4]		0˙ 4	0	
P16.12			1.00˙ 10.00 [kHz]	3.00 [kHz]	8.9
P16.14 V/F	[0] 0				

P16.			0.00	100.	
P16.23			0.00	300.00	
P16.24			0.00		
P16.25			0.0	20.0	
P16.26	V/F		0.00	0.00	0.75
P16.27			0.0	00.0	100.0
P16.30			0.0	00.0	0.0
P16.33	V/F	V/F			2
P16.34	V/F	1	0.0	00.0	5.0
P16.35	V/F	1	0.0	25.0	11.5
P16.36	V/F	2	0.0	00.0	50.0
P16.37					

P16.48	[0] [1]PID شجِ1 [2]PID شجِ2 [3] w شجِ	0˙ 3	0	
P16.49	@ شجِ	0˙ 300	0	
P16.50	Ø¯ ˩¯ Ø¯ ˩¯	0.00˙ 300.00 [s]	0.00 [s]	8.9
P16.51	Ì Ø¯ ˩ '2			

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	[sə	[sə0ШOO
0.0	0.0	

7.17 2 ǎ V/F P17

w O				
P17.0 ~ ⍲	~ ⍲			
P17.2 w	ǎ		0.0˙ 3000.0 [kW]	⍰ [kW]
P17.3 ⍲	ǎ		0˙ 700 [V]	690 [V]
P17.4	ǎ		0.0˙ 3000.0 [A]	⍰ [A]
P17.5	ǎ		0.0˙ 300.0 [Hz]	50.0 [Hz]
P17.6	ǎ		0˙ 6000 [rpm]	1465 [rpm]
P17.7	ǎ		2˙ 12 [pole]	4 [pole]	8.9
P17.9 □	ǎ		0˙ 7200 [rpm]	1500 [rpm]	8.9
P17.11 L		[0]V/F L [1] [2] [3] ⍲ [4]	0˙ 4	0	
P17.12			1.00˙ 10.00 [kHz]	3.00 [kHz]	8.9
P17.14 V/F		[0] V/F [1] V/F [2]ʜ	0˙ 3	0	8.9
P17.15 ẽ		[0] [1] ą	0˙ 1	0	8.9
P17.16 ẽ			>⍺ⓖ		

P17.48		[0] [1]PID شج1 [2]PID شج2 [3] w شج	0˙ 3	0	
P17.49	@ شج		0˙ 300	0	
P17.50	Ω L	Ω L	0.00˙ 300.00 [s]	0.00 [s]	8.9
P17.51	Ω L	Ω L	0.0˙ 150.0 [%]	70.0 [%]	8.9
P17.52	Ω L	Ω L	0.00˙ 5.00 [Hz]	0.00 [Hz]	8.9
P17.54	Å L	Å L	0.00˙ 300.00 [s]	0.00 [s]	8.9
P17.55	Å L	Å L	0.0˙ 150.0 [%]	75.0 [%]	8.9
P17.56	Å L	Å L	0.00˙ 5.00 [Hz]	0.00 [Hz]	8.9
P17.59	Ḡ ɒ	Ḡ ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P17.60	Ḡ №	Ḡ №	0.0˙ 1000.0 [%]	100.0 [%]	
P17.61	۱ L ɒ	۱ L ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P17.62	۱ L №	۱ L №	0.0˙ 1000.0 [%]	100.0 [%]	
P17.64	V/F ƀ	V/F ƀ	0.0˙ 1000.0 [%]	100.0 [%]	8.9
P17.66	L ɒ	V/F Ѝ L ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P17.67	Ω L ɒ	Ω L ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P17.68	Ω L №	Ω L №	0.0˙ 1000.0 [%]	100.0 [%]	
P17.69	Å L ɒ	Å L ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P17.70	Å L №	Å L №	0.0˙ 1000.0 [%]	100.0 [%]	

7.18 3 ǎ V/F P18

w	O		ه	٧
P18.0	~ ۱	~ ۱	560˙ 760 [V]	690 [V]
P18.2	w	ǎ	0.0˙ 3000.0 [kW]	ۀمم [kW]
P18.3	۱	ǎ	0˙ 700 [V]	690 [V]
P18.4		ǎ	0.0˙ 3000.0 [A]	ۀمم [A]
P18.5		ǎ	0.0˙ 300.0 [Hz]	50.0 [Hz]
P18.6				

P18.22	Ω	Ω	0.00˙ 100.00 [s]	0.00 [s]	8.9
P18.23	V/F L	^ ă ٧ ضي ~ Ŋ	0.00˙ 300.00 [Hz]	0.00 [Hz]	
P18.24	V/F L	^ ă ٧ ضي ~ Ŋ	0.00˙ 300.00 [Hz]	50.00 [Hz]	
P18.25	L	L	0.0˙ 120.0 [%]	100.0 [%]	
P18.26	V/FΩ ٨ Ẓ	V/FΩ ٨ Ẓ	0.00˙ 10.00 [%]	0.75 [%]	8.9
P18.27	₣ ٨	₣ ٨	0.0˙ 200.0 [%]	100.0 [%]	8.9
P18.30	ʜ Ω ٨ ẽ	ʜ Ω ٨ ẽ	0.0˙ 100.0 [%]	0.0 [%]	8.9
P18.33	V/F	V/F	0˙ 6	2	8.9
P18.34	V/F 1		0.0˙ 300.0 [Hz]	5.0 [Hz]	
P18.35	V/F ٨ 1		0.0˙ 125.0 [%]	11.5 [%]	
P18.36	V/F 2		0.0˙ 300.0 [Hz]	50.0 [Hz]	
P18.37	V/F ٨ 2		0.0˙ 125.0 [%]	100.0 [%]	
P18.38	V/F 3		0.0˙ 300.0 [Hz]	50.0 [Hz]	
P18.39	V/F ٨ 3		0.0˙ 125.0 [%]	100.0 [%]	
P18.40	V/F 4		0.0˙ 300.0 [Hz]	50.0 [Hz]	
P18.41	V/F ٨ 4		0.0˙ 125.0 [%]	100.0 [%]	
P18.42	V/F 5		0.0˙ 300.0 [Hz]	50.0 [Hz]	
P18.43	V/F ٨ 5		0.0˙ 125.0 [%]	100.0 [%]	
P18.44	V/F 6		0.0˙ 300.0 [Hz]	50.0 [Hz]	
P18.45	V/F ٨ 6		0.0˙ 8		

P18.48		[0] [1]PID شجر1 [2]PID شجر2 [3] w شجر	0˙ 3	0	
P18.49	@ شجر		0˙ 300	0	
P18.50	Ω˗ ˪˗	Ω˗ ˪˗	0.00˙ 300.00 [s]	0.00 [s]	8.9
P18.51	Ω˗ ˪˗	Ω˗ ˪˗	0.0˙ 150.0 [%]	70.0 [%]	8.9
P18.52	Ω˗ ˪˗	Ω˗ ˪˗	0.00˙ 5.00 [Hz]	0.00 [Hz]	8.9
P18.54	Å ˪˗	Å ˪˗	0.00˙ 300.00 [s]	0.00 [s]	8.9
P18.55	Å ˪˗	Å ˪˗	0.0˙ 150.0 [%]	75.0 [%]	8.9
P18.56	Å ˪˗	Å ˪˗	0.00˙ 5.00 [Hz]	0.00 [Hz]	8.9
P18.59	Ḡ ɒ	Ḡ ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P18.60	Ḡ №	Ḡ №	0.0˙ 1000.0 [%]	100.0 [%]	
P18.61	۱ ˪ ɒ	۱ ˪ ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P18.62	۱ ˪ №	۱ ˪ №	0.0˙ 1000.0 [%]	100.0 [%]	
P18.64	V/F ƀ	V/F ƀ	0.0˙ 1000.0 [%]	100.0 [%]	8.9
P18.66	˪ ɒ	V/F Ӣ ˪ ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P18.67	Ω˗ ˪˗ ɒ	Ω˗ ˪˗ ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P18.68	Ω˗ ˪˗ №	Ω˗ ˪˗ №	0.0˙ 1000.0 [%]	100.0 [%]	
P18.69	Å ˪˗ ɒ	Å ˪˗ ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P18.70	Å ˪˗ №	Å ˪˗ №	0.0˙ 1000.0 [%]	100.0 [%]	

P19.48		[0] [1]PID شج1 [2]PID شج2 [3] w شج	0˙ 3	0	
P19.49	@ شج		0˙ 300	0	
P19.50	Ω	L Ω L	0.00˙ 300.00 [s]	0.00 [s]	8.9
P19.51	Ω	L Ω L	0.0˙ 150.0 [%]	70.0 [%]	8.9
P19.52	Ω	L Ω L	0.00˙ 5.00 [Hz]	0.00 [Hz]	8.9
P19.54	Å	L Å L	0.00˙ 300.00 [s]	0.00 [s]	8.9
P19.55	Å	L Å L	0.0˙ 150.0 [%]	75.0 [%]	8.9
P19.56	Å	L Å L	0.00˙ 5.00 [Hz]	0.00 [Hz]	8.9
P19.59	Ḡ	ɒ Ḡ ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P19.60	Ḡ	№ Ḡ №	0.0˙ 1000.0 [%]	100.0 [%]	
P19.61	۱	L ɒ ۱ L ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P19.62	۱	L № ۱ L №	0.0˙ 1000.0 [%]	100.0 [%]	
P19.64	V/F	ƀ V/F ƀ	0.0˙ 1000.0 [%]	100.0 [%]	8.9
P19.66		L ɒ V/F Ѝ L ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P19.67	Ω	L ɒ Ω L ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P19.68	Ω	L № Ω L №	0.0˙ 1000.0 [%]	100.0 [%]	
P19.69	Å	L ɒ Å L ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P19.70	Å0	L ȷ			

P20.13	ᵀ	ᵀ	20.0˙ 500.0 [ms]	100.0 [ms]	8.10
P20.14	ح ǁ	1ثم ǁ	0˙ 60000	1024	
P20.15	ح ǐ h	[0] [1] ą	0˙ 1	0	8.10
P20.16	h	h ^ ז ضي ˪ Ǐ ~	0.0˙ 300.0 [%]	100.0 [%]	
P20.17	ǐ h	ǐ h ^ ז ضي ˪ Ǐ ~	0.0˙ 300.0 [%]	100.0 [%]	
P20.18	h	h ^ ז ضي ˪ Ǐ ~	0.0˙ 300.0 [%]	0.0 [%]	
P20.19	ǐ h	ǐ h ^ ז ضي ˪ Ǐ ~	0.0˙ 300.0 [%]	0.0 [%]	
P20.20	w ˪ ą	[0] [1] ą	0˙ 1	0	
P20.21	w ˪	[0] قمم [1] قمم	0˙ 1	0	
P20.22	˪ ụ	ă ضي w Ǐ	0.0˙ 300.0 [%]	160.0 [%]	
P20.23	ụ	ă ضي w Ǐ	0.0˙ 200.0 [%]	20.0 [%]	
P20.24	˪ ụ	ă ضي w Ǐ	0.0˙ 300.0 [%]	100.0 [%]	
P20.25	ụ	ă ضي w Ǐ	0.0˙ 200.0 [%]	100.0 [%]	
P20.26	β	β	0.0˙ 1000.0 [%]	0.0 [%]	8.10
P20.27	β ẽ	β ∓ ˪ ụ˘	0.00˙ 15.00 [%]	2.00 [%]	8.10
P20.28	˪ ˪	[0] ụ' ǐ G P20.16 غ P20.17 [1] تمج ~ [2] تمج ∓ [3]DP	0˙ 3	0	
P20.30	Ƶ ^ Ǐ˜	[0] Ƶ ụ' G P20.31 غ P20.32 ụ Ƶ [1] ~ 1 [2] ~ 2 [3]	0˙ 3	0	

P20.31	Ẓ	Ẓ ṿ	0.0˙ 100.0 [%]	5.0 [%]	
P20.32	ǐ Ẓ	ǐ Ẓ ṿ	0.0˙ 100.0 [%]	5.0 [%]	
P20.34	ẽ ą	[0] [1] ą	0˙ 1	0	8.10
P20.35	شي Ḡ	Ả U شي Ḡ	0.0˙ 100.0 [s]	0.0 [s]	
P20.36	Ɑ˙ شي	Ɑ˙ شي ṿ	50.0˙ 150.0 [%]	110.0 [%]	
P20.37	Ɑ˙	Ɑ˙	0.0˙ 150.0 [%]	100.0 [%]	8.10
P20.38	Ɑ˙	Ɑ˙	0.0˙ 100.0 [%]	25.0 [%]	8.10
P20.39			0.0˙ 120.0 [%]	100.0 [%]	8.10
P20.40			0.0˙ 150.0 [%]	100.0 [%]	8.10
P20.41			0.0˙ 150.0 [%]	135.0 [%]	
P20.42	w	[0] [1] ą	0˙ 1	1	
P20.43			25˙ 1000 [ms]	75 [ms]	
P20.44		ˆ w Й ƀ ~	25˙ 1000 [ms]	250 [ms]	
P20.45	h ṿ	ă ضي w Й ˆ ~	0.0˙ 100.0 [%]	22.0 [%]	
P20.46	ǐ h ṿ	ă ضي w Й	0.0˙ 100.0 [%]	18.0 [%]	
P20.47	h ṿ	ă ضي w Й	0.0˙ 200.0 [%]	92.0 [%]	
P20.48	ǐ h ṿ	ă ضي w Й	0.0˙ 200.0 [%]	87.0 [%]	
P20.49	ṿ	ă ضي w Й	0.0˙ 150.0 [%]	100.0 [%]	
P20.51	۱ L ɒ	۱ L ɒ	0.0˙ 1000.0 [%]	100.0 [%]	
P20.52	۱ L №	۱ L №	0.0˙ 1000.0 [%]	100.0 [%]	

P20.53 :	└ Kp	└ر ם	0.0 1000.0 [%]	100.0 [%]	
P20.54 :	└ Ki	└ر №	0.0 1000.0 [%]	100.0 [%]	
P20.55	ם	└ر ם	0.0 1000.0 [%]	100.0 [%]	8.010
P20.56	№	└ر №	0.0 : ر №		

P21.54	:			1000.0 [%]	100.0 [%]	
P21.55				1000.0 [%]	100.0 [%]	8.10
P21.56				1000.0 [%]	100.0 [%]	8.10
P21.57		[0] [1]		0 1	0	8.10
P21.58				0.0 125.0 [%]	100.0 [%]	8.10
P21.59	:		:	1.0 25.0 [%]	2.5 [%]	8.10
P21.60	DROOP		DROOP	0.0 100.0 [%]	0.0 [%]	8.10
P21.61	DROOP		DROOP	30 2000 [ms]	50 [ms]	8.10
P21.62				0.0 1000.0 [%]	100.0 [%]	8.10
P21.63	0			0.0 1000.0 [%]	100.0 [%]	8.10
P21.66		1	1	0.0 1000.0 [%]	100.0 [%]	
P21.67		2	2	0.0 1000.0 [%]	100.0 [%]	
P21.69				0.00 2.00 [%]	1.00 [%]	
P21.70				0.00 2.00 [%]	1.00 [%]	
P21.71						8.14

P21.78			0.00˙ 650.00 [mOhm]	0.00 [mOhm]	
P21.79			0.00˙ 65.50 [mH]	0.000 [mH]	
P21.80	غج 1	غج 1	0.800˙ 1.350	1.140	
P21.81	غج 2	غج 2	0.800˙ 1.350	0.940	
P21.82	غج 3	غج 3	0.800˙ 1.350	1.080	
P21.83	غج 4	غج 4	0.800˙ 1.350	0.950	
P21.84			0.00˙ 655.00 [mH]	0.00 [mH]	
P21.85	شي85%	85% ε	40.0˙ 150.0 [%]	108.0 [%]	
P21.86	شي87.5%	87.5% ε	40.0˙ 150.0 [%]	106.5 [%]	
P21.87	شي90%	90% ε	40.0˙ 150.0 [%]	105.0 [%]	
P21.88	شي92.5%	92.5% ε	40.0˙ 150.0 [%]	103.5 [%]	
P21.89	شي95%	95% ε	40.0˙ 150.0 [%]	102.0 [%]	
P21.90	شي102. 5%	102.5% ε	40.0˙ 150.0 [%]	99.0 [%]	
P21.91	شي105%	105% ε	40.0˙ 150.0 [%]	96.5 [%]	
P21.92	شي110%	110% ε	40.0˙ 150.0 [%]	93.0 [%]	
P21.93	شي115%	115% ε	40.0˙ 150.0 [%]	88.5 [%]	
P21.94	شي120%	120% ε	40.0˙ 150.0 [%]	83.0 [%]	
P21.95	شي125%	125% ε	40.0˙ 150.0 [%]	77.0 [%]	
P21.96	شي130%	130% ε	40.0˙ 150.0 [%]	70.5 [%]	
P21.97	شي135%	135% ε	40.0˙ 150.0 [%]	63.5 [%]	
P21.98	ـ	ـ (٢)	0.01˙ 300.00 [s]	0.75 [s]	
P21.99			0.00˙ 10.00 [%]	0.00 [%]	

7.22 3 L P22

w	O		ض	ṿ	
P22.0	L	[0] [1] ą	0˙ 1	0	8.10
P22.1					

P22.31	Ẓ	Ẓ ṿ	0.0˙ 100.0 [%]	5.0 [%]	
P22.32	ǐ Ẓ	ǐ Ẓ ṿ	0.0˙ 100.0 [%]	5.0 [%]	
P22.34	□ ẽ ą	[0] [1] ą	0˙ 1	0	8.10
P22.35	شيG	Ả U شيG	0.0˙ 100.0 [s]	0.0 [s]	
P22.36	Ω¯ شي	Ω¯ شي ṿ	50.0˙ 150.0 [%]	110.0 [%]	
P22.37	Ω¯	Ω¯	0.0˙ 150.0 [%]	100.0 [%]	8.10
P22.38	Ω¯	Ω¯	0.0˙ 100.0 [%]	25.0 [%]	8.10
P22.39			0.0˙ 120.0 [%]	100.0 [%]	8.10
P22.40			0.0˙ 150.0 [%]	100.0 [%]	8.10
P22.41					

7.23 4 L P23

w	O		مخ	ṿ	
P23.0	L	[0] [1] ą	0˙ 1	0	8.10
P23.1		[0] ₹ [1] ˜ 1 [2] ˜ 2 [3] ƀ [4] ă ' P23.3 ṿ [5]DP [6]MODBUS [7] w شج	0˙ 7	0	8.10
P23.2		□‚	0˙ 7	0	
P23.3	ھ ṿ	ھ ṿ	-300.0˙ 300.0 [%]	0.0 [%]	8.10
P23.4	@ شج		0˙ 300	0	
P23.5	˜ ṿ		0˙ 1000 [ms]	0 [ms]	
P23.6			0.0˙ 200.0 [%]	100.0 [%]	8.10
P23.7	L ṿ	[0] ṗ L ṿ [1] ă ' P23.8 غ P23.9 [2] ˜ 1 [3] ˜ 2 [4] ƀ [5]DP [6]MODBUS [7] w شج	0˙ 7	0	8.10
P23.8	h L ṿ	P23.7 [1] ṿ	0.0˙ 300.0 [%]	200.0 [%]	8.10
P23.9	ǐ h L ṿ	P23.7 [1] ṿ	0.0˙ 300.0 [%]	200.0 [%]	8.10
P23.10	L ṿ شج		0˙ 300	0	
P23.11	L		0˙ 1000 [ms]	0 [ms]	
P23.13	T	T	20.0˙ 500.0 [ms]	100.0 [ms]	8.10

P23.32	ǐ Ẓ	ǐ Ẓ ṿ	0.0˙ 100.0 [%]	5.0 [%]	
P23.34	ẽ ą	[0] [1] ą	0˙ 1	0	8.10
P23.35	ش Ḡ	Ả U ش Ḡ	0.0˙ 100.0 [s]	0.0 [s]	
P23.36	Ø ش	Ø ش ṿ	50.0˙ 150.0 [%]	110.0 [%]	
P23.37	Ø	Ø	0.0˙ 150.0 [%]	100.0 [%]	8.10
P23.38	Ø	Ø	0.0˙ 100.0 [%]	25.0 [%]	8.10
P23.39			0.0˙ 120.0 [%]	100.0 [%]	8.10
P23.40			0.0˙ 150.0 [%]	100.0 [%]	8.10
P23.41			0.0˙ 150.0 [%]	135.0 [%]	
P23.42	w	[0] [1] ą	0˙ 1	1	
P23.43			25˙ 1000 [ms]	75 [ms]	
P23.44		ˆ w Й ƀ ~	25˙ 1000 [ms]	250 [ms]	
P23.45	h ṿ	ă ض w Й ˆ ~	0.0˙ 100.0 [%]	22.0 [%]	
P23.46	ǐ h ṿ	ă ض w Й	0.0˙ 100.0 [%]	18.0 [%]	
P23.47	h ṿ	ă ض w Й	0.0˙ 200.0 [%]	92.0 [%]	
P23.48	ǐ h ṿ	ă ض w Й	0.0˙ 200.0 [%]	87.0 [%]	
P23.49	ṿ	ă ض w Й	0.0˙ 150.0 [%]	100.0 [%]	
P23.51	۱ L ם	۱ L ם	0.0˙ 1000.0 [%]	100.0 [%]	
P23.52	۱ L №	۱ L №	0.0˙ 1000.0 [%]	100.0 [%]	
P23.53	: L Kp	L ر ם	0.0˙ 1000.0 [%]	100.0 [%]	

P23.78			0.00 650.00 [mOhm]	0.00 [mOhm]
P23.79			0.00 65.50 [mH]	0.000 [mH]
P23.80	ز 1	ز 1	0.800 1.350	1.140
P23.81	ز 2	ز 2	0.800 1.350	0.940
P23.82	ز 3	ز 3	0.800 1.350	1.080
P23.83	ز 4	ز 4	0.800 1.350	0.950
P23.84			0.00	

0.00

7.24 MODBUS P32

w	O		ж	ỵ	
P32.0	MODBUS ą	[0] [1] ą	0˙ 1	0	
P32.1	MODBUS ɾ ID	h	1˙ 255	1	
P32.2	o	[0]RS485 [1]RS232	0˙ 1	0	
P32.3		[0] 9600 BPS' [1] 14400 BPS' [2] 19200 BPS' [3] 38400 BPS' [4] 56000 BPS' [5] 57600 BPS' [6] 115200 BPS'	0˙ 6	3	
P32.4	β	[0] None_8_1_CFG' [1] Even_8_1_CFG' [2] Odd_8_1_CFG' [3] None_8_2_CFG' [4] Even_8_2_CFG' [5] Odd_8_2_CFG'	0˙ 5	0	
P32.5	Modbus	Modbus ч0 ˘ ƀ ªª Modbus	0˙ 100 [s]	0 [s]	ч0s
P32.6	Modbus	' 0- ' 1-	0˙ 1	0	

P33.54	[W4]	₹	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0˙ 7	0
P33.55		₹ [W5]	7-3	0˙ 48	19
P33.56	[W5]	₹	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0˙ 7	2
P33.57		₹ [W6]	7-3	0˙ 48	26
P33.58	[W6]	₹	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0˙ 7	6
P33.59		₹ [W7]	7-3	0˙ 48	30
P33.60	[W7]	₹	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0˙ 7	1
P33.61		₹ [W8]	7-3	0˙ 48	14

P33.62	₹ [W8]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0˙ 7	0	
P33.63	₹ [W9]	7-3	0˙ 48	13	
P33.64	₹ [W9]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0˙ 7	0	
P33.65	₹ [W10]	7-3	0˙ 48	40	
P33.66	₹ [W10]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0˙ 7	6	
P33.67	₹ [W11]	7-3	0˙ 48	0	
P33.68	₹ [W11]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0˙ 7	0	
P33.69	₹ [W12]	7-3	0˙ 48	0	

P33.70	₹ [W12]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0. 7	0	
P33.71	₹ [W13]	7-3	0. 48	0	
P33.72	₹ [W13]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0. 7	0	
P33.73	₹ [W14]	7-3	0. 48	0	
P33.74	₹ [W14]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0. 7	0	
P33.75	₹ [W15]	7-3	0. 48	0	
P33.76	₹ [W15]	[0] × 1 [1] × 10 [2] × 100 [3] × 1000 [4] × 10000 [5] [%] × 1 [6] [%] × 10 [7] [%] × 100	0. 7	0	

7-2 ˜

ỵ	
0	Ь ą
1	└ 0
2	└ 1
3	└ 2
4	└ 3
5	└ 4
6	⸗ β [32]
7	⸗ ∨ β [32]
8	32_MSW
9	32_LSW
10	∓
11	ă └
12	ă 0 @32bit
13	ă 1 @32bit
14	ă 2 @32bit
15	ă 3 @32bit
16	ă 4 @32bit
17	ă 5 @32bit
18	[Hz]
19	[rpm]
20	[%]
21	[%]
22	└ ỵ [%]
23	└ ỵ [Hz]
24	ẇ
25	ẇ
26	∓ 1[%]
27	∓ 2[%]
28	∀ └
29	⋮ └
30˙ 37	SET_W12˙ 19

29	C ṿ
30	ṿ
31	₹ ⍲
32	
33	~ 1
34	~ 2
35	₹ w
36	
37	
38	
39	ṿ
40	
41· 48	AW22· 29

8. ă w

8.1 ĭ

800kW ɣ:: ĭ ᦵ ӈ ĭ ᦵ ... ˇ ɒ 1600kW ӈ 800kW
ˇ ă P2.0 ~

8.2 ~

L

ɒ ṿ ă P12.0 ~ [0] L

B. [1]Ʉ L

4 ɷ 16 ɔɻ (8421) ɾ ~

(FORWARD) ỉ (REVERSE) Ḥ ˇ γ ă P12.2(1) ɹ ʏ ṿ

Ţ ṿ

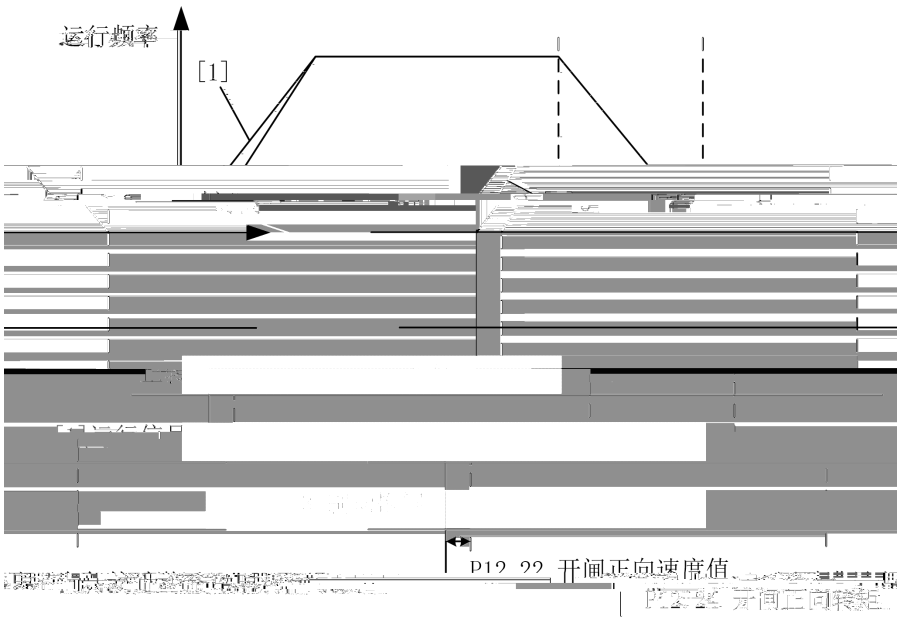
8.3 ₣

L ɾ

L ɾ ˇ ỉ ɾ L L ɾ / Ḥ L ɾ L Ḥ

ɷ ч [1] Ḥ [3] L ' ɱ L ɾ L Ḥ ч [3] L

₣ Ḥ [1] Ḥ ь [3] L ∀ ≠ ă Ӣ ɔɻ'



' ỉ ɾ"Ḥ ض Ţ ỉ h˘ ɾ Ţ L ɾ ь ψ

8.

ă

^ 1˜ Lw

7.0 P7.1 P7.2 P7.3 Lw ' L

ụ w Ω

^ 2˜ Ḡ w

P7.4 P7.5 P7.6 P7.7 Ḡ w ' ă P7.4 ě γ ă P16.4

^ ˜ ụ w Ω ˇ Ⓟ Ī ⅋ ⅎ ụ ч

№

^ 3˜ Ḡ

P7.8 7.9 P7.10 P7.11 Ḡ ụ' Ī ⅀ ⅋ ė' '

' P16.4

^ 7˜ Ƣ˗ Ḡ

P7.23 Ḡ ₇ ضي L ч ^ P16.11=1˜ ƀ P7.23 ч ỵ ˘ Ḡ w L Ӈ˘ Ƣ˗ Ẓ ٧ ىشي ˘ ضي Ƣ˗ ˘ ғ P7.23 ỵ˘ ↕ w Ƣ˗ ˘ ғ Ⓟ Ї ҁ Ҿ

P7.24˙ P7.26 Ḡ Ӟ₇ ضي L ч ^ P17.11=1 P18.11=1 P19.11=1˜ ƀ ˘ ₇ Ь □

^ 8˜ Ḡ

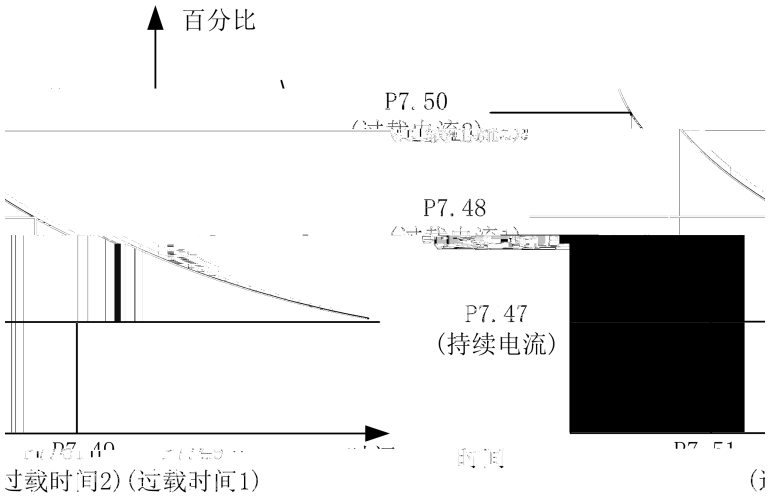
P7.31 P7.32 Ḡ w ˘ ₇ ضي L ч ^ P16.11=2˜ ƀ P7.31 Ẓ ỵ˘ 100% P7.32 ҁ Ь ҥ ˘ Ҿ P7.31 ỵ˘ P7.32 ˘ w Ƣ˗ ˘ ғ Ⓟ Ї ҁ Ҿ

^ 9˜ ӟ Ḡ

P7.33 ӟ ˘ ضي ӟ ƀ Ţ ƀ ˘ ӟ P7.33 ˘ w Ƣ˗ ˘ ӟ

^ 10˜ Ḡ w

P7.48 P7.50 Ḡ w ' Ḡ ỵ ˘ w Ƣ˗ ˘ ғ Ⓟ Ї ҁ Ҿ ỉ Ḡ ă Ӈ ىد'



ˆ 11˜ ṗ └ ˧ ″Ḥ

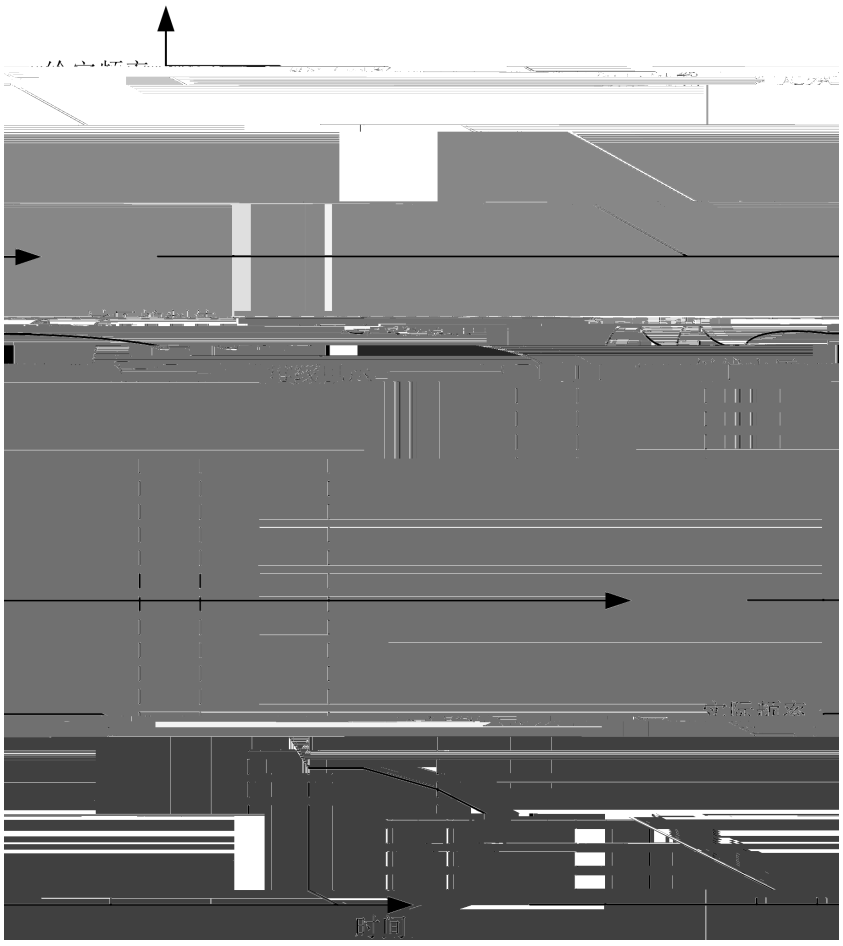
P7.64 P7.65 P7.66 ă ₇ ضِ ĭ ڪ ṗ └ ˧ ″Ḥ ˇ ˧ HF500LC ↓ ĭ ڪ Ţ 30kW ĭ ɣ Ѝ ẉ ƀ ضِ P7.64 ч 1 Uˇ ẉ ą ˧ ɢ └ Ƣ ˧ ẏ ˇ ṗ └ ˧ ″Ḥ ƀˇ ă P7.65 └ ŋ ˧ ẏ ă P7.66 ˇ └ ŋ ˧ ẏ ₩ Ь ɢ └ Ƣ ˧ ẏˇ ۼ ˇ P16.66 ≥ P16.65 P16.0 ˜ ˧ ч 690V˝ P7.65 ч 0V ˇ └ Ƣ ˧ ẏ ч 1068V˝ P7.66 ч 20V ˇ └ ŋ ˧ ẏ ч 1088V ˋE Ѝ'

└ Ƣ ˧ ẏ = 1.075 $\sqrt{2}$ P16.0 20 P7.65’

└ ŋ ˧ ẏ = 1.075 $\sqrt{2}$ P16.0 20 P7.66

ˆ 12˜ ˧ └ẉ

P7.69 P7.70 ă ƀ Uˇ Ψ ڏ ⋮ P7.69 ẏ ч 0 ˇ ĭ ڪ └ ˧ ″Ḥ ۼ P16.0 ˜ ˧ ч 690V˝ P7.70 ч 0V ˇ ˧ └ ẏ ч 1093V ˋE ' ˧ └ ẏ = 1.1 $\sqrt{2}$ P16.0 20 P7.70 ĺ ₙ Ѝ ۓ'



8.7 Ω Å └ ă

^ 1˜ Ω¨ '

1.1 1

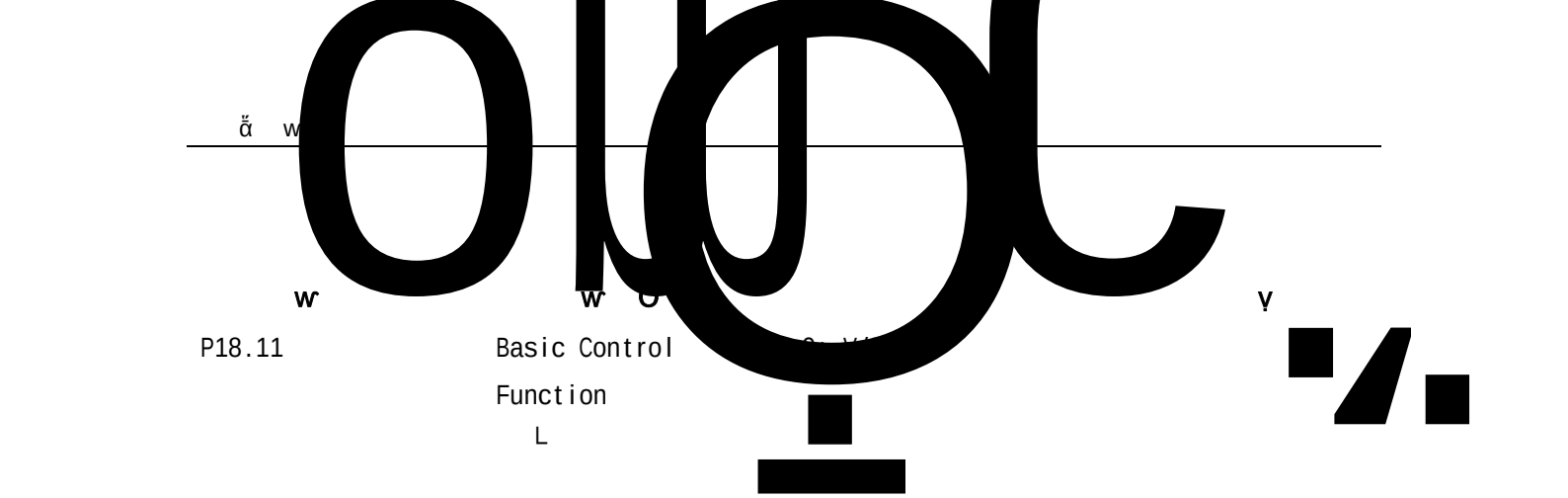
w	w O	₯	ų
P16.11	Basic Control Function └	0: V/F └ 1: 2: 3: ₹ 4:	0 V/F └
₫ ₥			
P16.57	Flying Start CL └ ų	0-100% ×	75%
P16.58	Flying Start Mode	0: FWD 1: REV 2: REV-FWD 3: FWD-REV	× 0:FWD
P16.71	Flying Start IsFlt	0-500.0ms	0.0ms
P16.72	Flying Start FeType	0: 1 1: 2	0: 1
P16.73	Flying Start FeAdjE ą	0: 1: ą	1: ą

'

1. DI w w ' w ч 21' Ω¨ '
2. ╠ ' P8.06 [ ] = 5.0 '
3.P16.11 0 V/F └'
4.FJ P16.58 6.58 ' Ь h Ğ ₩ ˘ Ղ ↕ˆ ŭ ˘ ↓ ' ضي

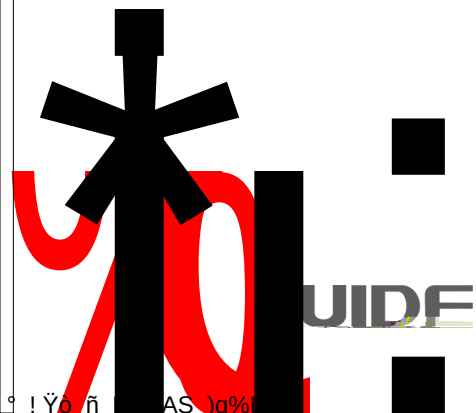
J˙

.



P18.11	Basic Control Function	

w	w O	ж	ў
P19.11	Basic Control Function L	0: V/F L 1: 2: 3: ж 4:	0 V/F L
P19.57	Flying Start CL L ў	0-100%	75%
P19.58	Flying Start Mode	0: FWDw 1: REV 2: REV-FWD 3: FWD-REV	0:FWD
P19.71	Flying Start IsFlt	0-500.0ms	0.0ms
P19.72	Flying Start FeType		



° ! Ÿò ñ AS)g% °^ R(° ò ñ WBá PPÐ à ". ! ^

ǎ w

ˆ 2˜ └ ک └

P12.22 P12.37 ضِ ą └ ک ˇ w └ ₇ ₹

ч [3] └ ˇ └ ک └w Ψ

ضِ Å Ǐ˘ ǐ ک ⌠ Ḥ˝ ˇ ↕ ǐ h ʒ ì

ỵ □ ỵˆ P12.22 P12.23˜ ɇ ˆ P12.24 P12.25˜

ң ѡ Ð˘ ↕ └ ₹ ک ₹ ⁘ Ψ Ḥ˝

ضِ Ǐ˘ ⌠ Å Ḥ˝ ↕ ⁞ ₹ ⌠ ă

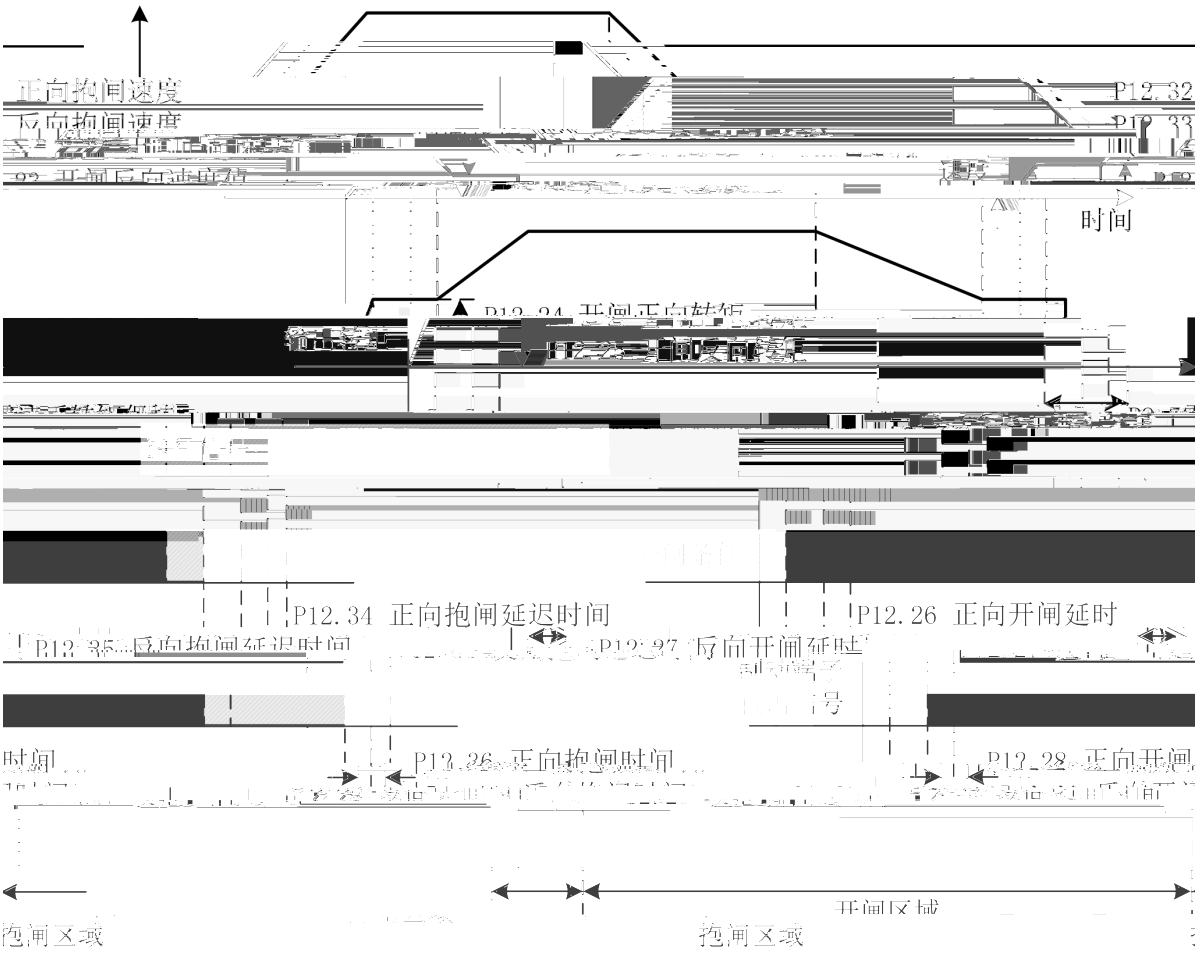
P12.32[h] P12.33[ǐ h] ỵ˘ ì ₹ ⁘ Ψ

Ḥ˝

P12.28 ɇ P12.29 ɾ ǐ ک └ Ḥ˝ ₹ ث ɒ ⌠

’ P12.36 ɇ P12.37 ɾ ǐ ک └ Ḥ˝ ₹ ث ɒ ⌠

ˈ ǐ ỵ ɣ P16 ă ч ‰



P16.34 P16.45 Ѵ ԋ ѽ ă ԓ V/F V/F ѵ

' V1 V2 V3 F1 F2 F3 ѵ ѵ ̂ Ψ

˘ Ї ̂ Ψ Ḡ

^ 4˜ ẽ'

P16.15 ẽ ض V/F L Й Ω ̄ Ẓ ѵ ˘ ą ă p

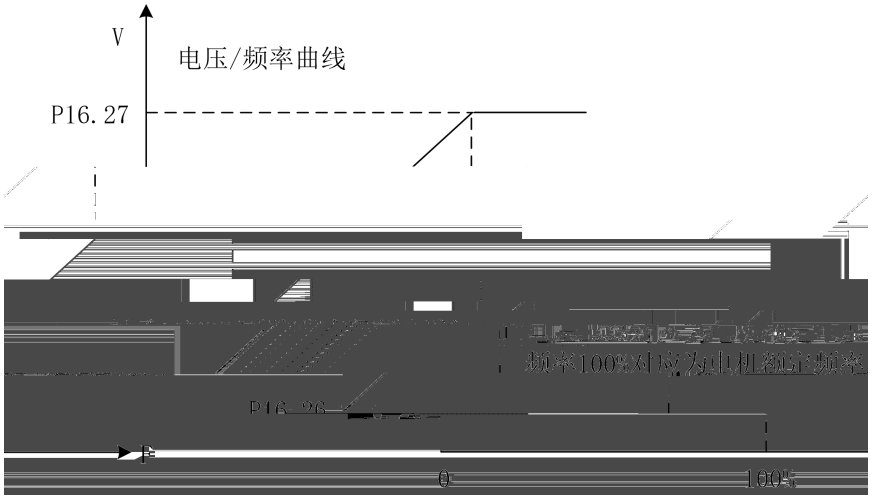
ض V/F L Й ӟ U˘ ̂ ɣ ą ă ą ă Ψ ѵ Ω ̄

ė Ω ̄ ѵ˘ ̂ Ψ ₣ ض Ω ̄ ^ ˜

ą ă

^ 5˜ Ω ̄ ẽ ѵ'

P16.14=[0] V/F ˘ V/F Ω ̄ ẽ ѵ ѵ ч P16.26 P16.26 ė P16.27 ̂ ɣ ă Й ҙ '



P16.14=[2] ԋ ˘ V/F Ω ̄ ẽ ѵ ѵ ч P16.30 P16.30 ė P16.27

ˆ γ ă Й,ح '

ˆ 6˜ L ' '

P16.50 P16.56 ч L w ˇ № ч Ƣ L ع Å L w

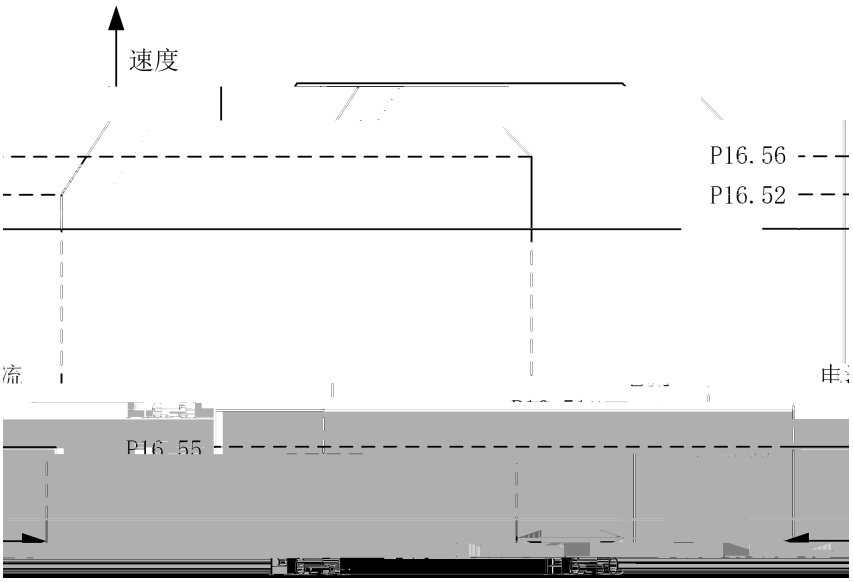
ˀ ضي V/F L Й, ƀ

Ƣ L ' P16.50 P16.51 P16.52 ν ضي Å Ţ

ѵ,⁝ L ˇ ą ѽ Å U ΄P Ƣ

Å L ' P16.54 P16.55 P16.56 ν ضي ⁝ Ţ ѵ ˜

L ˇ ą Å í r Й,ح'



ˆ 7˜ L ˜ '

P16.64 ƀ ضي Ũ ⁝ ˜ ˉ ˜ ă

ν Ь ч ˇ L ڪ ƀ˘ ˆ L ﻉ ˜

ч ˇ L ڪ Ь Ψ ƀ

8.10 L ă

^ 1˜ ė ® '

P20.0 ч L ė L ® ẏ

P20.0=0 ғ P20.1=0 P20.2=0 ↕ ч L ˘ Й ® ∫ L

P20.0=0 ғ P20.1≠0 P20.2≠0 ч L ˘ Й ® ∫ L

P20.0=1 ғ P20.1≠0 P20.2≠0 ضي Ь ® Ḥ˝ 1 ч L ˘ ضي

Ь ® Ḥ˝ 0 ч L

ضي L ˘ ₹ G ˘ Ψ ⁘ ⁀ ∫ ẏ

L ẏ ₹ G ˘ Ψ Й ∫ ẏ L ẏ ч ↄ

ą L˘ Ạ ضي P16.11 ч [1] [2] ˘

‰ ƀ

P20.3 ھ ẏ ' ă P20.1 ч [4] ă

^ 2˜ L'

P20.7 ч L ˘ ẏ ضي L Й ė L Й

P20.8 P20.9 ẏ7 ضي P20.7=1

^ 3˜ т '

P20.13 ضي L Й ƀ ˘ т L Й˘

˘ ∀ ˗ ˘ ẏ

^ 4˜ ☪ h'

P20.15 ☪ ĭ h w ' í ˘ ą ☪ ₹ A B ╠ w

☪ A B ṕ˘ U V W ṕ ˘ ˆ Ь ☪

ĩ ă ĩ

[0] ˘ ☪ h Ь h ŵ '

[1] ą ˘ ☪ Ь h ĭ˘ ĩ ☪ ṗ A ė B ε ≠

w

^ 5˜ □ ẽ L

Ң ↕ ˗ ₩ ₡ ˇ ì Ţ ₩ ˇ ą Ң Ḡ

β w w ₇ ض L Й ƀ ˇ ғ GDHF-PGD1 □ PG ∖

ą

L Ң ĩ ₹ Ţ ₇ ₩ ˆ GDHF-PGD1 □ PG ∖ ĩ ₹ ˜ □

ẽ L DI w “ [10] ” DP L “ CW0.9 ” ˇ

P20.26 ė P20.27 ṿ G Ơ ض Ң ˇ ғ ₃ ₩ ⌠

2% U ˇ □ ẽ L ˗ ƀ

P20.34 ч [0] ˇ □ ẽ L 1 Ң ₹ L

ч 0 ₡ ‖ P20.26 ė P20.27 ч G 0 ṿ ˇ □ ẽ L ڑ ₩

P20.26 ч 50% 100% P20.27 ч 3% 5%

P20.34 ч [1] ˇ □ ẽ L 2 Ң ₹ L

ч 200 ₡ ‖ G L ṗ ھ ˇ ₇ P20.26 ė P20.27 ч G 0 K ∨

ṿ ∢ ˆ

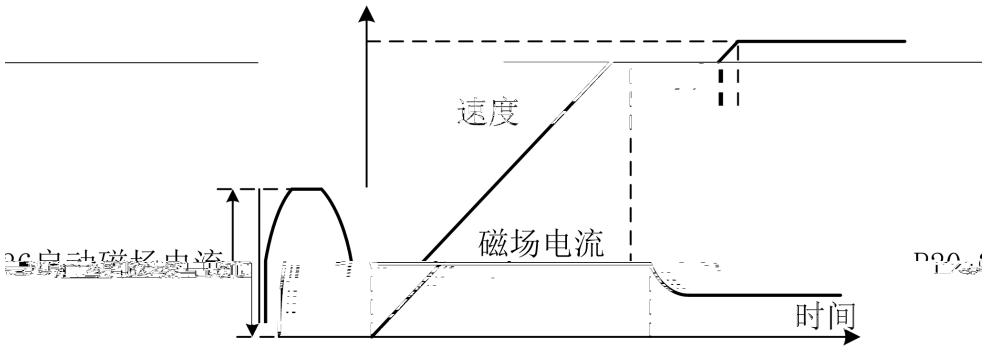
Ң ĩ ₹ HF500LC ↓ ĩ ₹ ˜ P20.34 ч [1]’ ₩ ˜

HF500LC ↓ ĩ ₹ ˜ ₃ ₩ ˜ ì ɾ ج ĩ ₹ ˜ P20.34 ч [0]

^ 6˜ Ω ˗ ش ˈ

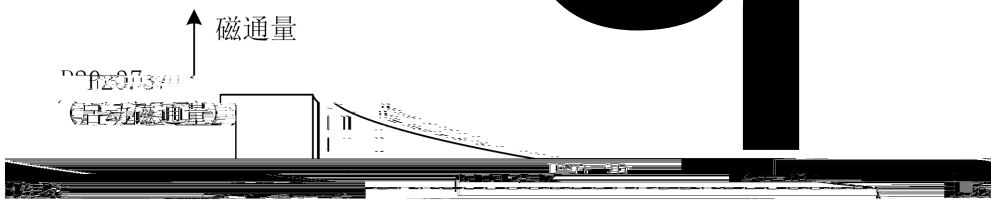
P20.36 Ω ˗ ش ˈ L Ω ˗ ش ṿ ˇ L ˆ ϒ ⁞

Ω ˗ ˇ Й ي ˈ



ˆ 7˜ '

P20.37 P20.40 شي ЙӀ



ˆ 8˜ شي w '

P20.57 P20.58 غ P20.59 ч شي w ˘ ˘ P20.57 ч 1 ˘

w ą P20.58 ч شي ỵ U˘ شي G

P20.59 ỵ Å w

ˆ



8.11

ضي Ţ˘ ŭ ˫ ˘ L ˘
L Й Ţ ă ˘ ضي Й Ţ7 ă

L	ă O		ν	ν	
V/F L	P16.64 V/F ƀ	L Ţ (10˙ 40Hz) Ÿ ˫	100	80˙ 150	ą Ь ' ă ν' ŭ ' ă ν
	P16.12	˛ كل	ɲɨ w Ь ˆ ĩ U˘ Ą ŵ ă ä˜	ɲɨ w Ь	كل ' ă ν' ٧ Ţ ŭ ˫ ' ă ν
	P15 ẽ	˛ ą			ė ٧ ą Ь ' ą ă ' ă
	P16.26 V/F Ω˫ ⁄1 Ż	˛ ٧ ą	0.75	0.5˙ 1.2	٧ ą Ь ' ă ν' Ω˫ ǁ Đ ' ă ν
	P7.0 L ν	˛ ǁ Đ	150	150˙ 220	Й ڈ ė ' ă ν' ǁ Đ ' ă ν
L	P16.12	˛ كل	ɲɨ w Ь ˆ ĩ U˘ Ą ŵ ă ä˜		كل ' ă ν' ٧ Ţ ŭ ˫ ' ă ν
	P7.0 L ν	˛ ǁ Đ	150	150˙ 220	Й ڈ ė ' ă ν' ǁ Đ ' ă ν
	P20.43	˛ ˫ ė	75	50˙ 100	Й ˫ ' ă ν' Ĩ ڈ ' ă ν
	P20.56 №	˛ ė ą ڈ ˘ L ˫ ė Ÿ	100	80˙ 150	ą ڈ ' ă ν' ˫ ǁ Đ ' ă ν

9. ï

ч ъ Ḡ ˘ ï ᴄᴋ ˘ ˥˘ ʏ ˥ Ḡ ᴡ Ḡ ᴡ Ω˩

ψ Ⓟ ï ᴄᴋ ₣˘ Å ˘ Ḡ ⌡ └ ^ β ~

9.1 ᵽ ᵑ

ض Å ᵽ ᵑ

ᵽ ᵑ	ᵽ Ḥ	ᵽ ˥ ᶢ			
W01	‰ SYS_NOT_RDY	⁘ (Ready)	ï ᴄᴋ	⌠ ‰	ï ᴄᴋ ~ ˥˘ ˥
W02	˩ ą Ḥ˝ NO_DRV_ENABLE	] ˘	~ ⌡ ⁞̀ Ḥ˝	ч [˩ ą Ð’	P3 ~ ˘ ᴄᴋ ï Ţ └
W03	ض ᵽ LOCAL_EM	Ḥ˝] ˘	~ ⌡ ⁞̀	ч [ض Ð	P3 ~ ˘ ᴄᴋ ï
W04	ᵽ REMOTE_EM	Ḥ˝] ˘	~ ⌡ ⁞̀	ч [Ð	P3 ~ ˘ ᴄᴋ ï
W06					

9.2 ๅ

Й ๅ

ๅ	Ḥ	ʌ ⁄ ï
[E050]	U ⁛ ^ Ь ß ~ ERR_UT not reset	IGBT ๅ IGBT - ï - ๅ U ⁛
[E051]	U Й ^ Ь ß ~ ERR_UT not reset	IGBT ๅ IGBT - ï - ๅ U ⁛
[E052]	V ⁛ ^ Ь ß ~ ERR_UT not reset	IGBT ๅ IGBT - ï - ๅ U ⁛
[E053]	V Й ^ Ь ß ~ ERR_UT not reset	IGBT ๅ IGBT - ï - ๅ U ⁛
[E054]	W ⁛ ^ Ь ß ~ ERR_UT not reset	IGBT ๅ IGBT - ï - ๅ U ⁛
[E055]	W Й ^ Ь ß ~ ERR_UT not reset	IGBT ๅ IGBT - ï - ๅ U ⁛
[E056]	ɾ ^ Ь ß ~ ERR_SLAVE_FAULT not reset	ɾ ๅ ɾ U ⁛
[E057]	ṗ └ ʅ ″Ḥ Ь ß ~ ERR_DB not reset	└ IGBT ๅ └ IGBT - ï - ๅ U ⁛ └ ᘐ ă P8.35(⁞ 1) ì ă P7.12(ʅ)
[E100]	ʅ OV	
[E105]	ʅ UV	

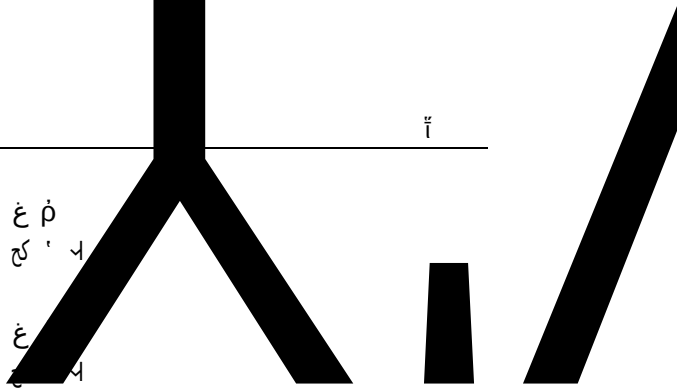
˜ ʅ Й ʅ ⌡ ì └ ẏ

[E111]	OL	ï ق ₹ ă P7.48(1)˘ P7.49(1)
[E112]	ض ZC	ă P7.48˝ P7.49 ï ì ٦ ă P7.8 ٦ ï ض ق D ق ٦
[E113]	~ MIP	ï ق ~ ٦ L ٦
[E114]	₹ MOP	ï ق ₹ ∫ ٦
[E115]	OS	ă P7.19 ă P7.19 ق ش ï ٦
[E116]	L SLVC Fail	٧ ⋮ ٦ ă P7.23 L ق
[E117]	MOTOR STALL	ق ق ع ă P20.14 P20.15 ٦

bЖ E

20

ЖS



[E127]	IGBT7 OT7	
[E128]	IGBT8 OT8	
[E137]	FAN STALL	
[E138]	TEMP_SENSING FAIL	
[E139]	Pre_Charging Fail	

[E154]	V ЙҶ IGBT PDP[VB]	IGBT Ղ IGBT ¬ ï¨ ¬ Ղ ǂ Ղ
[E155]	W ⁚ IGBT PDP [WT]	IGBT Ղ IGBT ¬ ï¨ ¬ Ղ ǂ Ղ
[E156]	W ЙҶ IGBT PDP [WB]	IGBT Ղ IGBT ¬ ï¨ ¬ Ղ ǂ Ղ
[E157]	ṗ └¬ ч"Ḥ PDP [DB]	w ҁ ɒ Ղ w ҁ ɒ ¬ ï¨ ¬ Ղ
[E160]	ɾ SLAVE FAULT	ɾ Ղ
[E161]	ɾ ‰ SLV_NOT_RDY	ɾ Ղ ɒ
[E162]	ɾ 1 CAN SLV1_CAN_ERR	ѽ ˘ ɾ 1 Ղ
[E167]	CAN CAN_ERR	ï¨ ҁ Ղ
[E170]	ӟ MOTOR TUNING FAIL	ắ ắ P7.33
[E180]	DP P/B ERROR	∨ Ղ Ղ
[E181]	DP ϼ P/B_EM	└ CW0.4
[E200]	ض LOCAL_EM	~ ч[ض Å Ḥ˝] ˘ Ḥ˝ ắ P3 ~ ắ ˘ ҁ ï¨
[E201]	REMOTE_EM	~ ч[Å Ḥ˝] ˘ Ḥ˝ ắ P3 ~ ắ ˘ ҁ ï¨
[E202]	Modbus MODBUS EMERGENCY	Modbus └ CW0.4 Ḥ˝ ˘ ì
[E203]	¬ └Ḥ˝ DRIVE DISABLED	DP Ţ └ Ḥ˝ ' └Ţ Ḥ˝
[E210]	ƀ ҁ Panel Error	ƀ Ղ
[E220]	Ũ ҁ CRC MEMORY CRC ERR	└
[E221]	ắ PARAMETER ERROR	ắ Ղ ¨

9.3

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10. Ь Ḡ Ī



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3. ℗ ɦ ᵹᵉ ˇ Ů ᷉ ʜ U˘ ˆ Ḡ Ī
⁘ φ ⅄ √
4. Ғ ʒ ¬ 2˘ ~ Ḡ Ī Ƀ
√



1. Ƀ L ⌐ ⁘ ᴝ CMOS ˇ ą
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˘ ˜ Ψ ᵹᵉ ⁘
2. Ţ˘ ~ ſ Ĭ ⅄
√
3. Ţ˘ ~ Ḥ˝
Ψ ᵹᵉ

10.1 Ḡ Ī ɣ

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Ĭ ᴄᴋ ρ ˝Ḥᴄᴋ Ð . ᵹᵉ ˘ ˆ Ψ Ĭ ᴄᴋ Ů Ỻ ᵹᵉ ˘ ч ą ᵐ ᴈ
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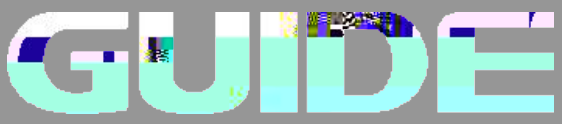
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M ˋĒ˜

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