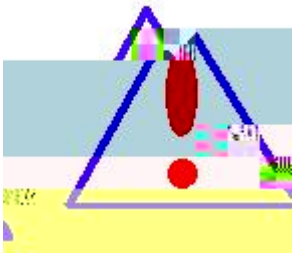
ą ̀Ẽ̃ ̊̊ ج ضي Δ ą ת כ ╠ ضر

ą ̃ ↑ ضر ą ת כ

ا ض غ ـ ̀Ẽ̃ ̊̊ ج غج

ą ת כ̃ ą ≠



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G ~ ∄ شخ ̃ ١ ضي

Ψ̊̊ 𝒟ρ

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ˊ ˊ ṗ ᵒᵒ ج ∓ ᷯ

ḱ ɣ ᵒᵒ ج ∓ ẽ ḱ

ɳ

↓ ɳ ɣ ᷯ ᴴ ᵒᵒ ج

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ᵒᵒ ج⁷ ˜ ضي ɕ ṗ ą

ᶻ ‴ ˗ 2 ˜ ḱ

— ˗ ᴴ

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ᵒᵒ ج ~ ∓ ╟ Ḡ ᵒᵒ ج ضر

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ج ṿ غ ضي ᵒᵒ ج ╟ ᵒᵒ

ج ą ɣ Ḃ ˜ ṿ Ḥ

~ ضي ת כֿ ƀ ↰ ~ ƀ

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ضِ ـٖ Ɓ ɢ ـٓḤ

ـٗ ـٔ ↕ ـٖ ـٗ

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ـٍ ـٓ ـٖ Ḡ

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USB ο ˜ U ˜ PC PC

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ו ARM L 7 ו ƀ ו

˗ Ḡ w ⌠ ⌠ ו ץ G

ץ Ḡ ו ₹ ˗ Å ˗

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ỉ G7 ו يشي

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ARM

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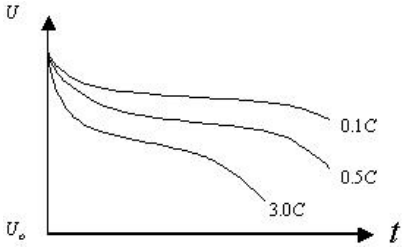
	48V	110V	220V	380V
˜Ḥ ˩	40 60V	95 150V	190 300V	350 450V
˜Ḥ	10 150A	1 80A	1 40A	1 20A
˩	38 60V	80 135V	176 270V	300 460V
	0 150A	0 150A	0 100A	0 50A
	1%			
˩	0.5%			
ˬ r ˩	0.2%			
ˬ r ˩	0.500V 16.00V(№ 1mv)			
˜Ḥ	0 99 59 №			
˪	AC:2			

2.1



ɾ ˜ ɣ ₣

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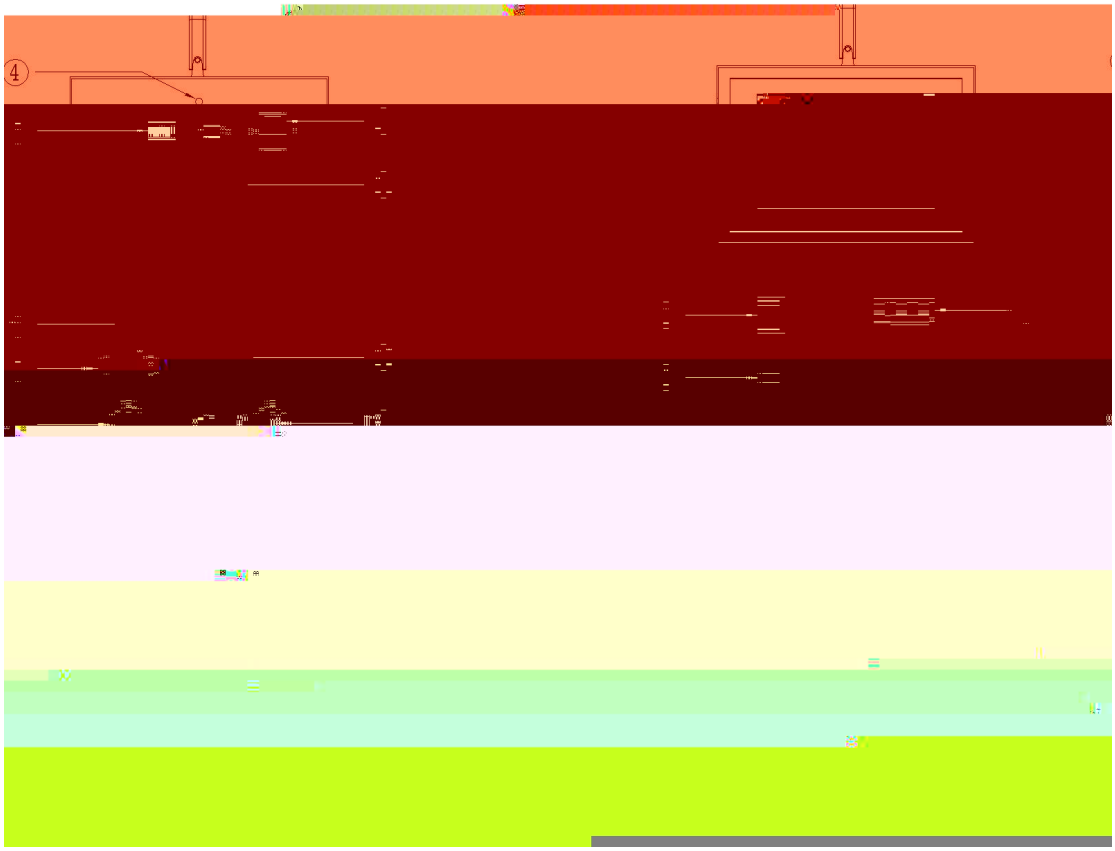

ضم Ð

4.1 ą

غ شخ r ĭ حني

4.2 ת

ת AC220V ƀ

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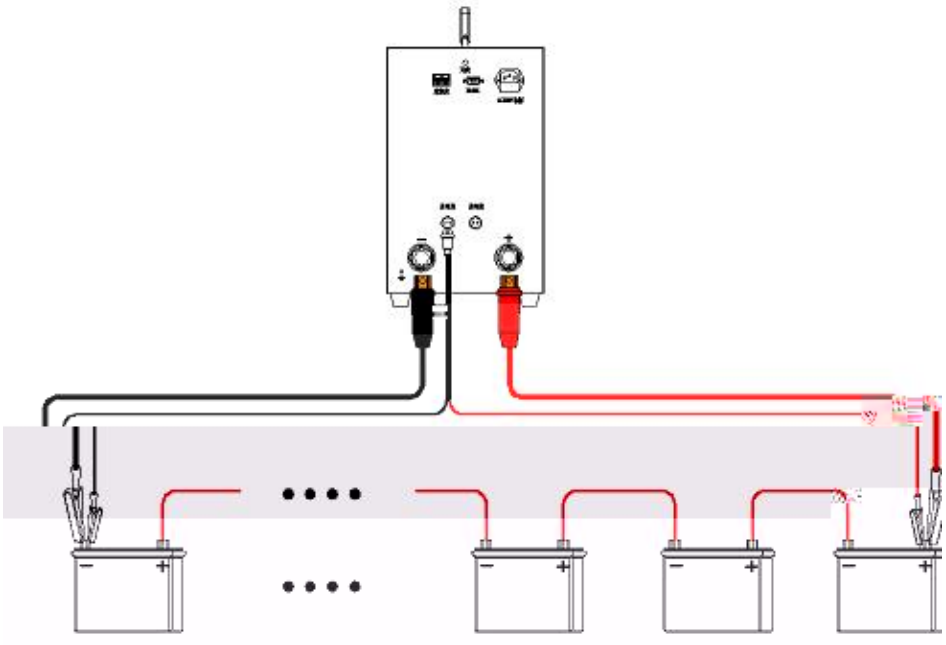
U ɜ №≠ قمم

Ψ ڪ

ﻝ №≠ ת ﻝ o ﻝ

ضم Ω ת ╠ قمم ˜ U ╠

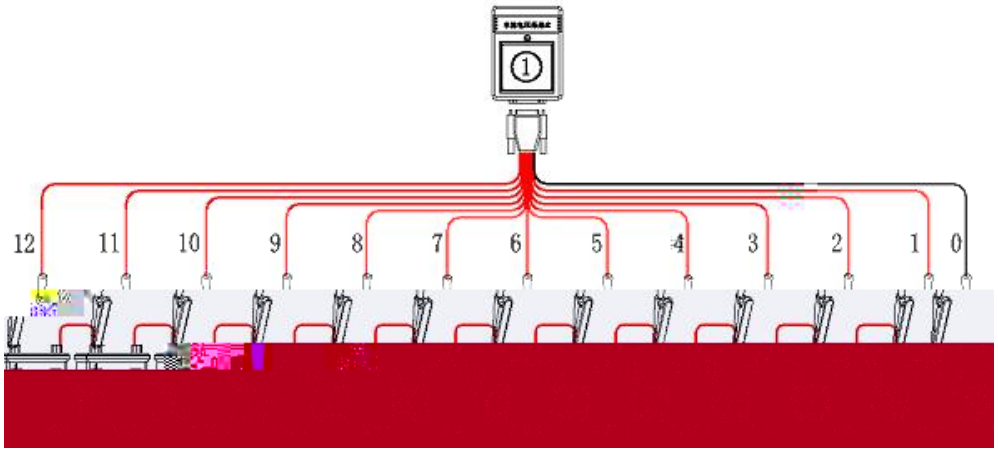
ڪ ڪ U غج قمم ת



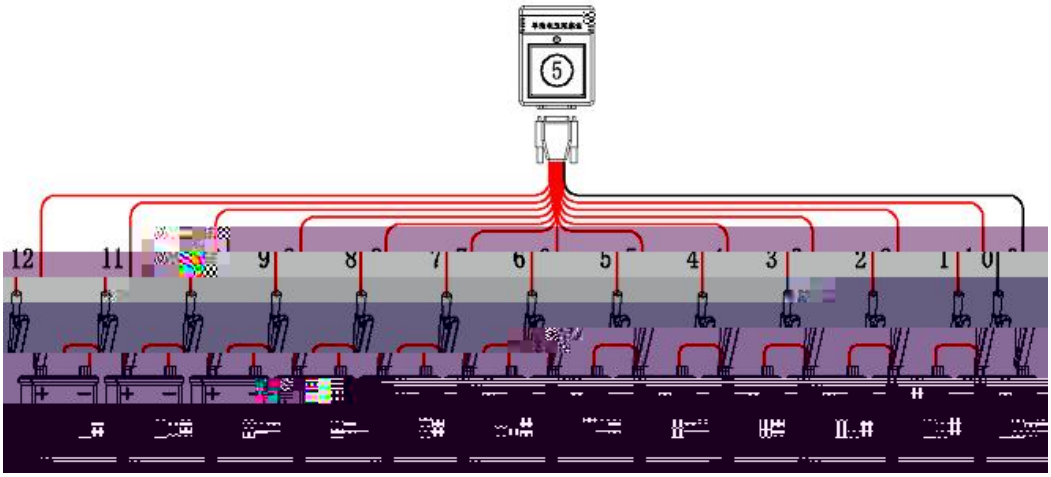
ת יב

4.3 ן ר 12 Ò

ן r שב ~ ן r



ן r יב ב



12 1

2 12V

±0.05% 1mV

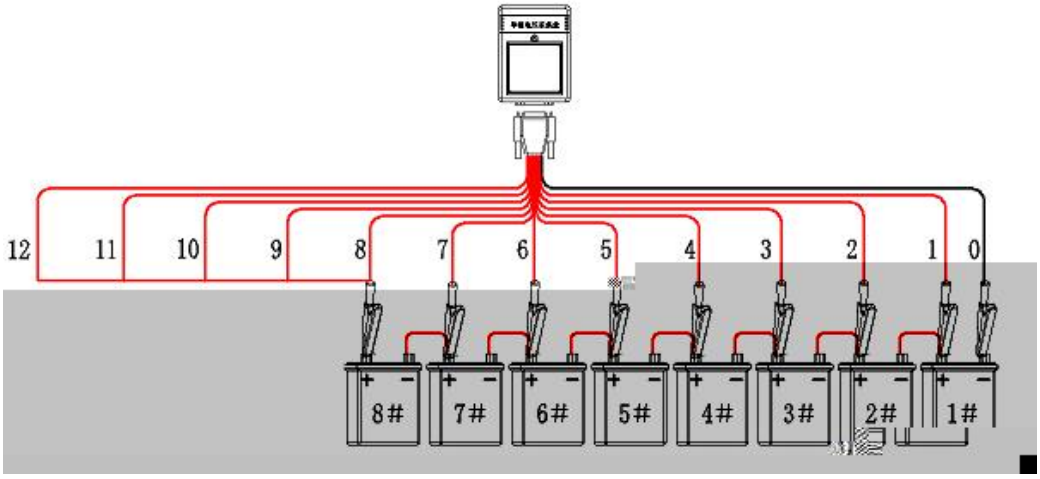
4.4

12

12

12*N 4.3

12



ɾ ɒ

55 2V 110V ɣ 1#

ɾ ˜ 5 Í r

1	1#~12#	0˝	1#	
2	13#~24#	0˝	13#	
3	25#~36#	0˝	25#	
4	37#~48#	0˝	37#	
5	49#~55#	0˝	49#	₇ 7

▼ 8~12˝ ɳ ض 55

ɾ ɒ

55 2V 110V ɣ 1#

ɾ ˜ 5 Í r

1	55#~44#	0˝	55#	
2	43#~32#	0˝	43#	
3	31#~20#	0˝	31#	
4	19#~8#	0˝	19#	
5	7#~1#	0˝	19#	₇ 7

▼ 8~12˝ ɳ ض 1

4.5 ا ر ت

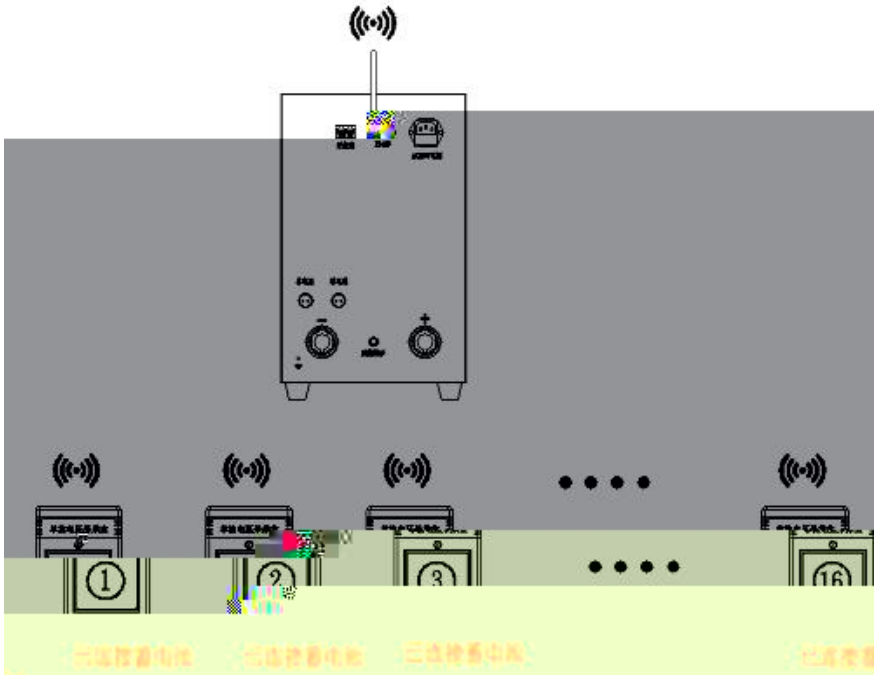
ا r ت ˆ ي ˆ ي

RS485 ك ï RS485

, ا ˆ p ضي شي 433M

ت ضي ا ą RS485

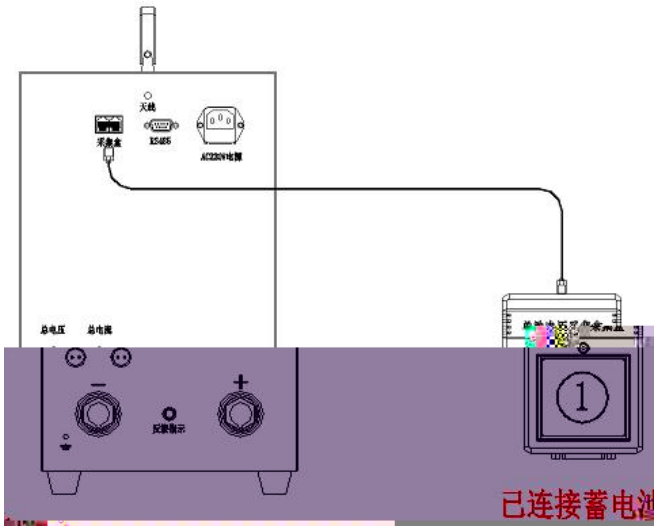
ي ۊ



ا r ت يح

ا r شج شي ˆ ٩ عج يح

№ ي



4.8 ضي ẽ

ضي ẽ Ð 1 2 ˜Ḥ ₹ 3

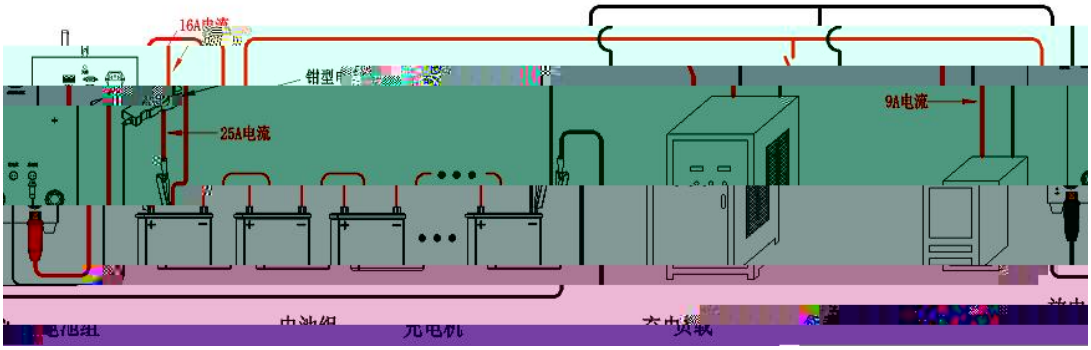
G ≠ ... G7 ١ ضي

...ٹي

ضي ºº Å . ˜ ɣ ˫ Ⓟ ⌡ ᴸ

ת ↕ Ψ غج G ˫ Å

ضي ẽ ¨Ḥ Ð يح



ضي ẽ يح

ƀ ١

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ڪ ⌡ ɣ ˫ ⋮ Ḡ

25A = 25A = ṗ 16A

+ 9A G ضي Ψ ضي ١ ĩ

ĩ. ṗ Ψ ¯ ɣ Ḡ ɣ

ضي ẽ ح ₹ ۱ 0 ˜ ٦ ↕

˜ ₹ ỉ ɪ ƀ ۱ □

ת ƀ

ת ح ą $D_ρ$ ~ ą

$D_ρ$

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U ® ∫₃ ↕ Ω

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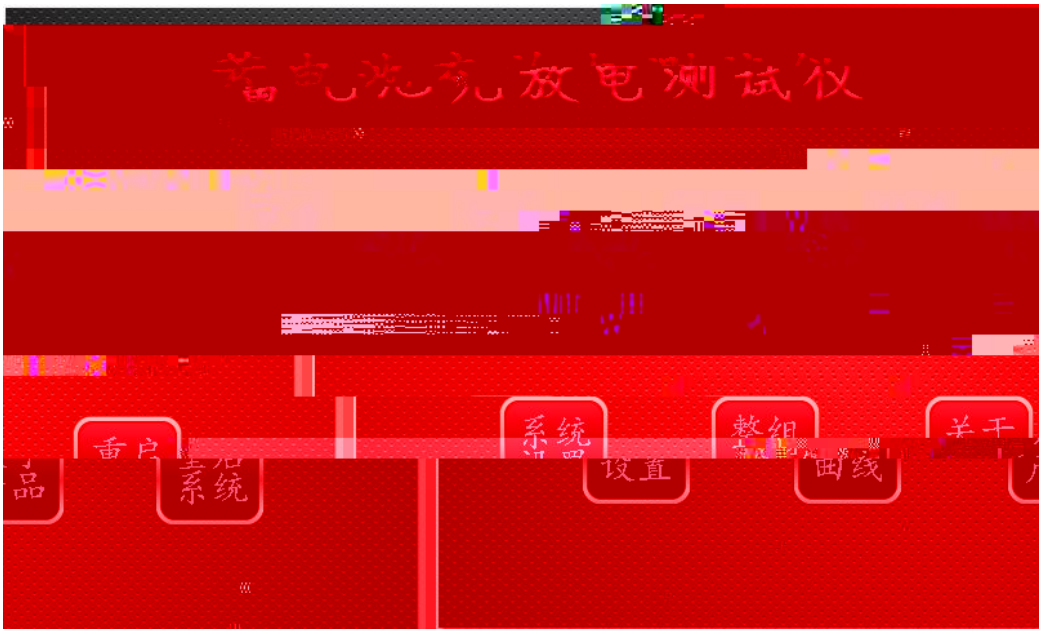
5.1

ضي English U ~ ۱ :

5.2 ۱

w ~ ۱

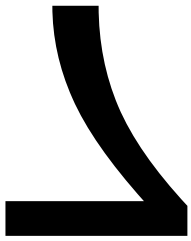


5.3 :

ㄔĞ ẏ Ո ⌡ ㄔ ɢ ẏ 3 U

˩ Å

Ğ ẏ Ո ⌡ ɢ ẏ 3 U ˩ Å



5.5

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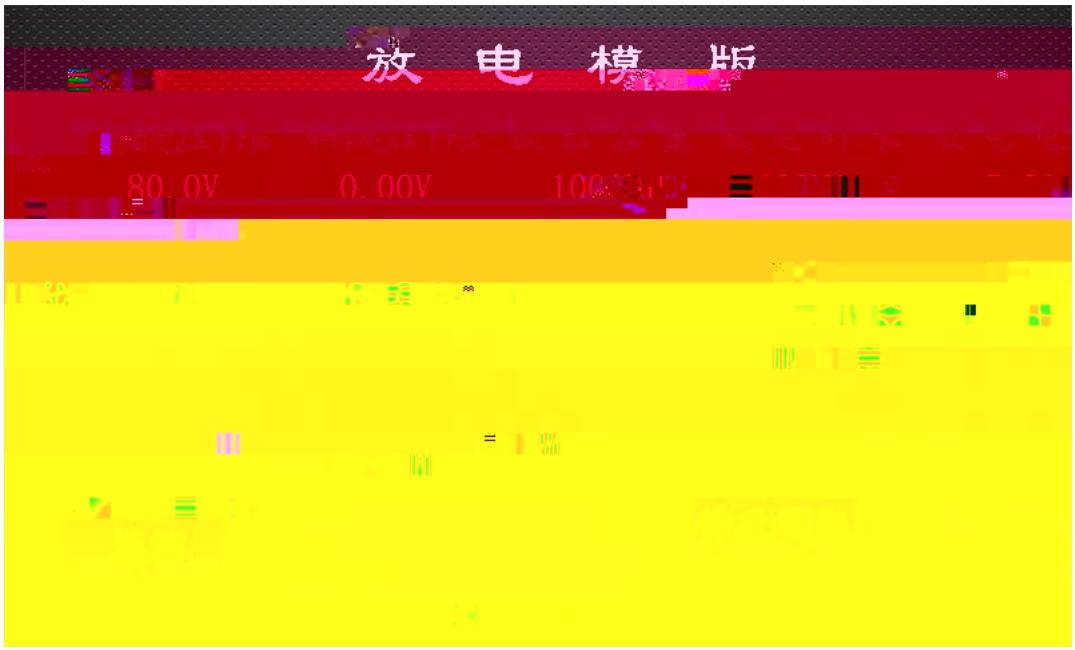
ᦊˆ ~ ᾄ ض Ƀ

5.6

Ƀˆ γ ת ṗ ᾠ Έ ᾄ ╠ ᦊ ╠



5.7 ќ

˜ ќ ќ w “ ” U ќ

U ~ ת ṗ Flash Ũ ќ U

Ɗ ρ “ ” ↕ ⌠ ╠

5.8 ǎ

ضي “ ” U ѽ ~ ǎ

ќ U ă Ɗρ “ ” U

Ψ Å

5.9

ﺍ ﺽ ﺍ ﻱ G ﻭ Å

ﺍ ﻱ

ﻫ ﺍ ﺽ ﻫ ﺍ ﻱ G ﻭ Å

ﻫ ﺍ ﻱ

ﻫ ﺍ ﺽ G ﻭ Å

ﺽ G ﻭ Å

ﻭ ﻭ Ẓ

Ẓ h ﻍ ṗ ﻭ Å ﺽ

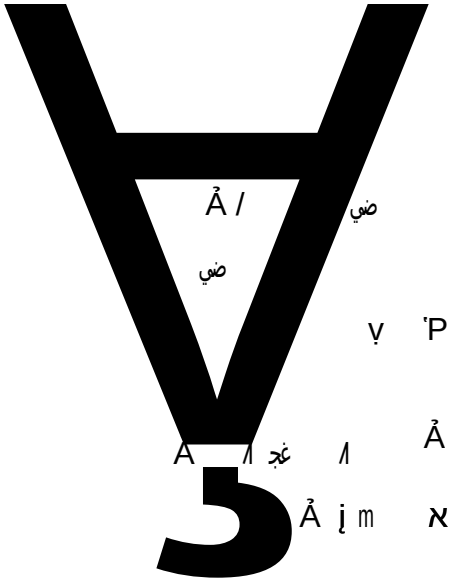
ﻱ ˜ ˗ ﻭ ﻱ ﻱ

“ Å ” “ ”

“ Å ” ƀ

(/ β) / :˜ ˪ ת Å ˜ ﺽ

β ƀ β U ˗



Å / ضي ˜ ˜ ® ƀ Å

ضي ת p Å

ṿ ˙P 𝐷ₚ “ ” غ ¡ ضي ∕ א ס ט M‘غ

A ∕ غجـ ∕ Å ˜ ضي غجـ ∕

Å ¡ m א o p ט ⊠ א o ט ⊠ ע א ⊠

ᵀḢ

ᵀḢ ᵀḢ ת ᵀḢ ₹ ṿ ɢᵀḢ ׳Ψ

ך “ ╠ ” ṿ Ψ ضᵀḢ ṿ ץ ⋮ ɢ “ ”

U

׳ ᵀḢ ׳ ṿ Ψ ˫ Å

ׯ ׳ ᵀḢ ׯ ᵣ ׳ ׳ ṿ Ψ ˫ Å

ᵀḢ ᵀḢ ᵀḢ ṿ Ψ ˫ Å

ᵀḢ ᵀḢ ᵀḢ ṿ Ψ ˫ Å

ṿ ׯ ᵝ № Min

ᵀḢ ׳ ך ᵀḢ Ψ ⋮

⋮ ⌠ ɢ ṿ Ψ ˫ Å

╠ ╠ ƀ ɇ ѽ

ɣ U ψ Å 5 U Ḃ ˜Ḥ ˜Ḥ ð ⌡ U ψ Å 5 U ˈP

p ضِ˜Ḥ ºº ψ ╠ ₹

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ẘ . “ ” Å ψ

“ ” ºº U ψ “ β ”

5.12

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– ╠ Ɗ℘U – ╠

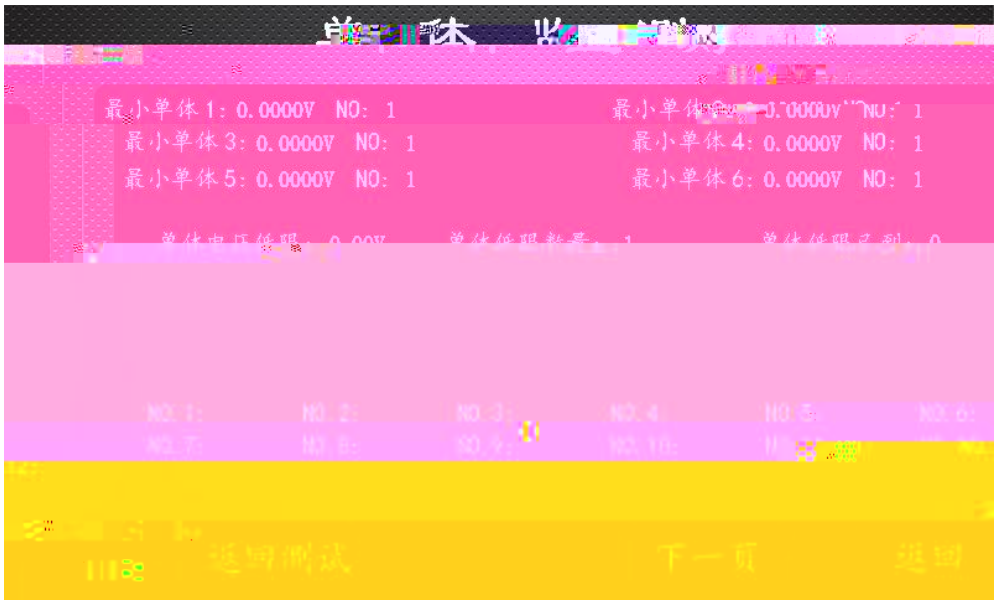
– ŋ Ɗ℘U – ת Ũ

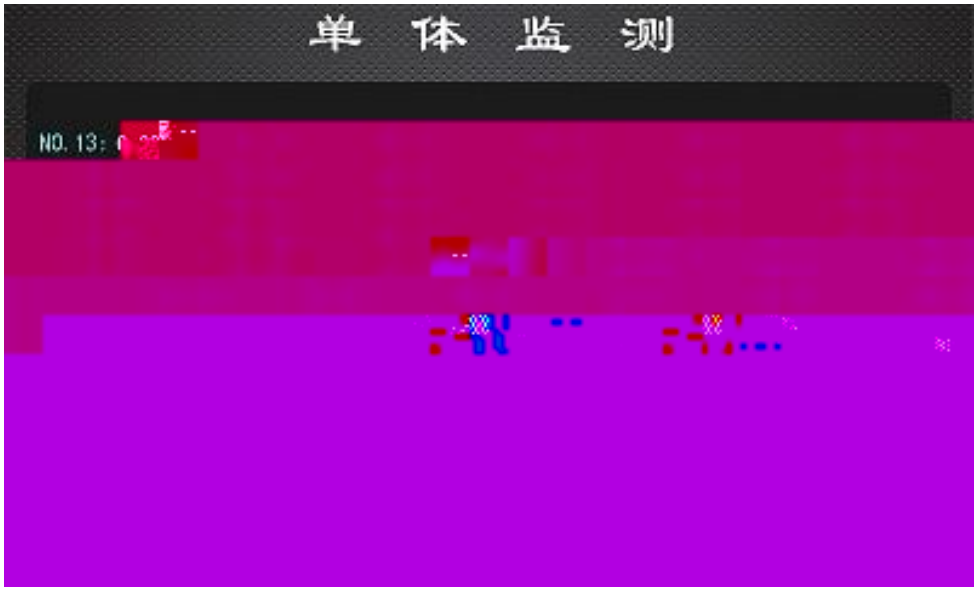
ŋ Ɗ℘U ת ṗ Ũ ŋ U

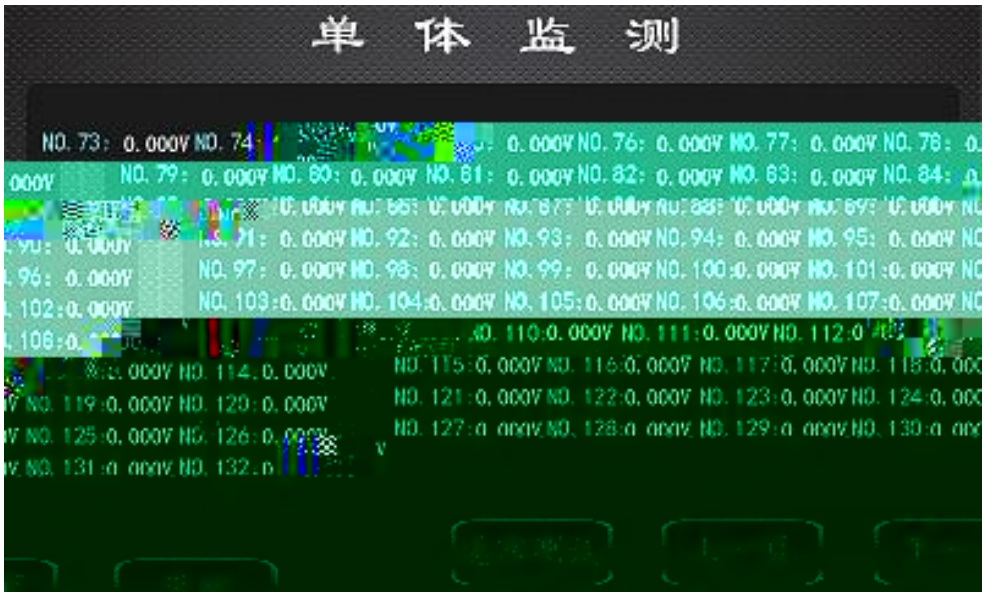
U ת ṗ ŋ

ὶ ắ ˈP

5.13 ↿ ɾ


最小单体1：0.0000V NO：1
最小单体3：0.0000V NO：1
最小单体5：0.0000V NO：1
最小单体4：0.0000V NO：1
最小单体6：0.0000V NO：1


单 体 监 测



ˆ ۲ r ىشج ⌠ ۲ r ۱ ۷

۲ r 1~6 ضي ۲ r ىشج 6 ۲ r ىشج ۱ ۷ ۱

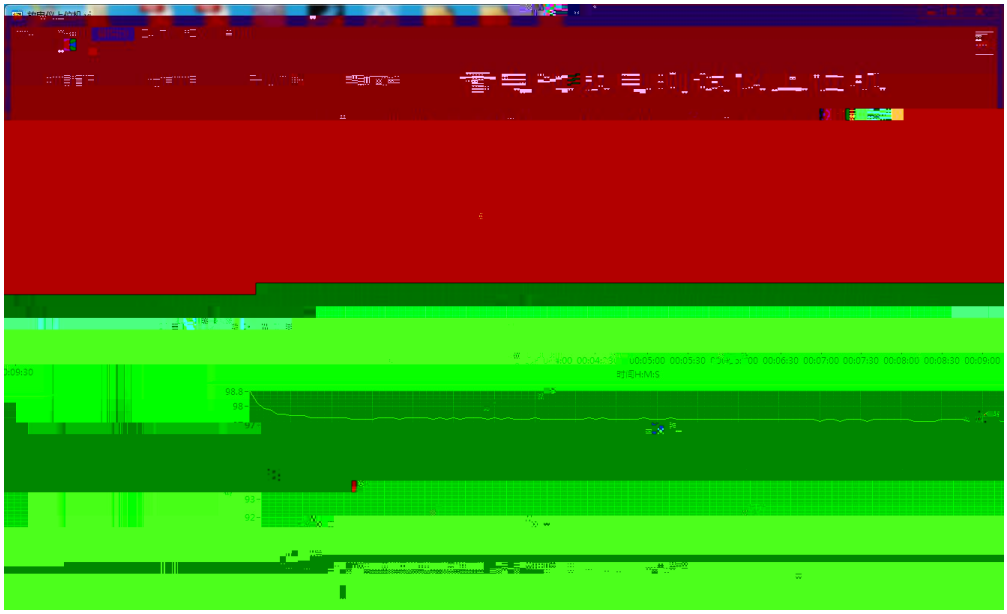
۲ ⌠ ш “ ۲ r ۱ 1” “ ۲ r ۱ 6” ۲ r ۱ ۷ˆ ۲

ˉ ۱ ۷ ɢ 0.5V ۱ ’

۱ ۷ ˜ 6 ۲ r ۱

Ɛ β Ð

6.1 -



6.2 -

6.3 -

“ ” U

6.5 -

~ “ `E˜ O ” U Ɗρ “ ۱ r ”

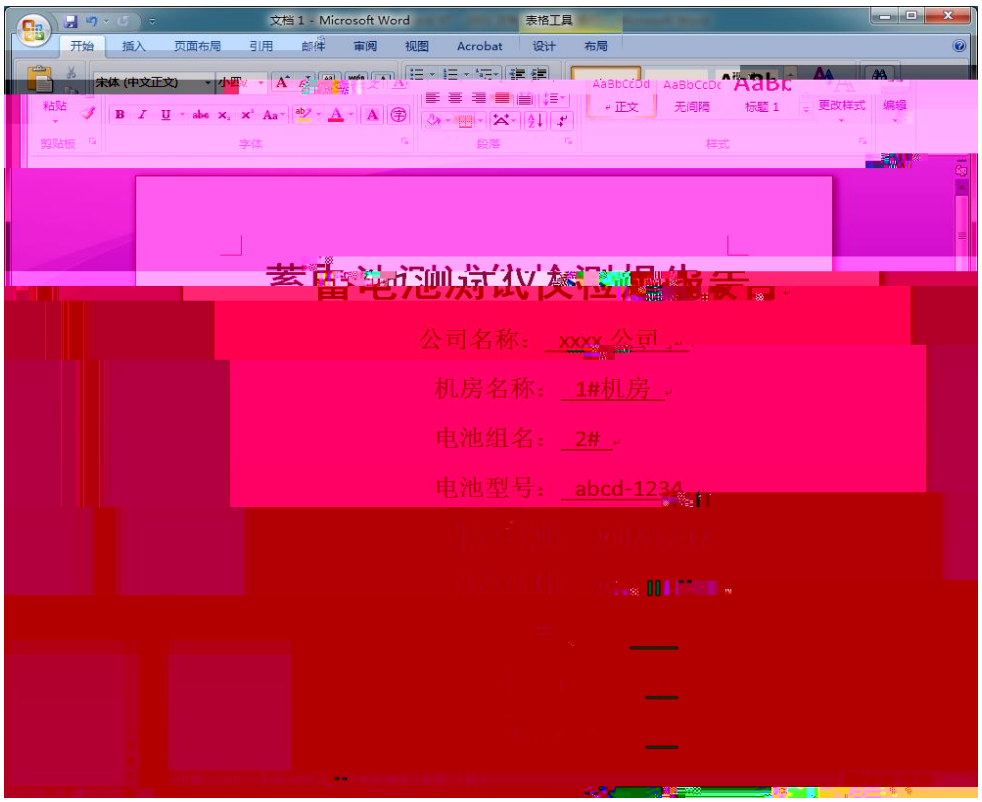
ʊ ضم ۱ ∞ ‰ غ ∞ ˜ ۲ ضي

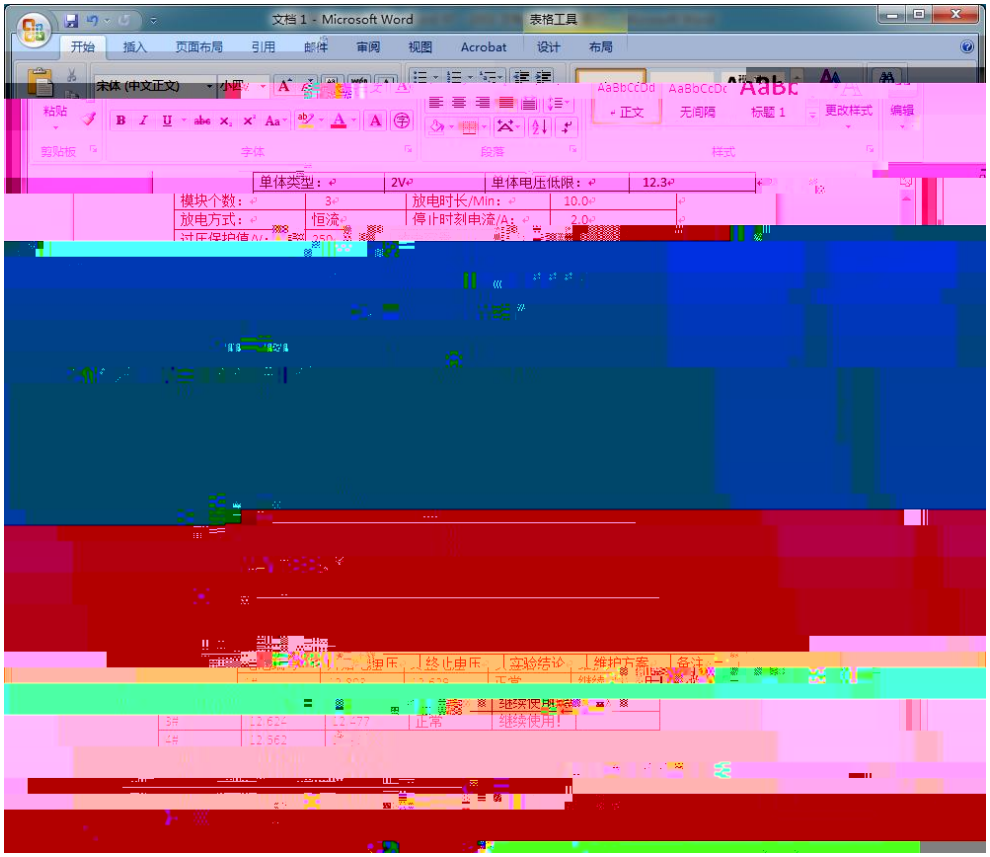
ˢ ۱ r ¬ ~

۲ ƀ U Ɗρ “ ” ˫ ۲ ~ ⌡ ѽ

ϸ ˜ ۱ ȝ

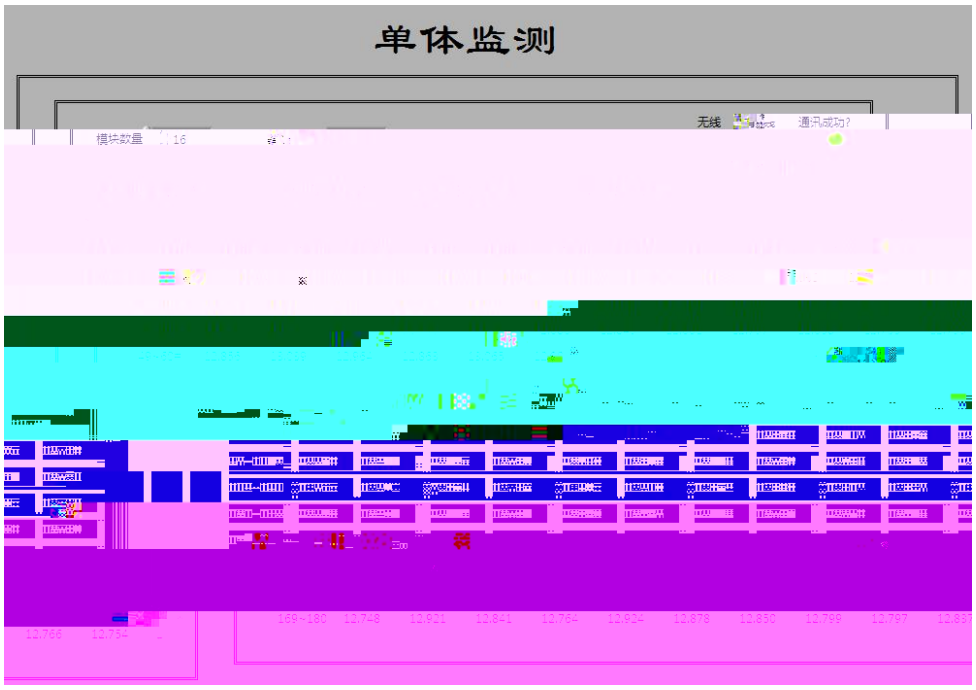
6.6 ىد


文档 1 - Microsoft Word
表格工具
开始
插入
页面布局
引用
邮件
审阅
视图
Acrobat
设计
布局
公司名称： xxxx 公司
机房名称： 1#机房
电池组名： 2#
电池型号： abcd-1234


文档 1 - Microsoft Word
表格工具
单体类型： 2V
单体电压低限： 12.3
模块个数： 3
放电时长/Min： 10.0
放电方式： 恒流
停止时刻电流/A： 2.0
终止电压
实验结论
维护方案
备注
3#
12.624
12.477
正常
继续使用！
4#
12.562

6.7

6.8 ——



ﻯ r

“ USB ” “ ﻯ r ﻯ ”

ﻀﻲ ﻯ r ﻯ ~ ת ד USB

ﻯ r ﻯ ת Ω ψ

Ḥﻀ ﻀﻲ ﻯ r ﻯ ą “ ﻀ̃Ḥ

ﻀﻲ ”

ﺵﺠ Ώ ﻯ r ﻯ γ ﷺ

╠ ﺵﺠ G USB ﻯ r ﻯ

1 ﻀ γ ⌠ ╠ ﺵﺠ ك

ﻯﻀ ν ﻯﻀ ν №≠

ﻯ ﻀ ĭ ﻯ ν ﻯ r ﻯ ץ ﻀ ĭ ﻯ ν

/ ﻀ γ RS485

/ ﻯ 1

ﻯ 1 ɑ ŋ

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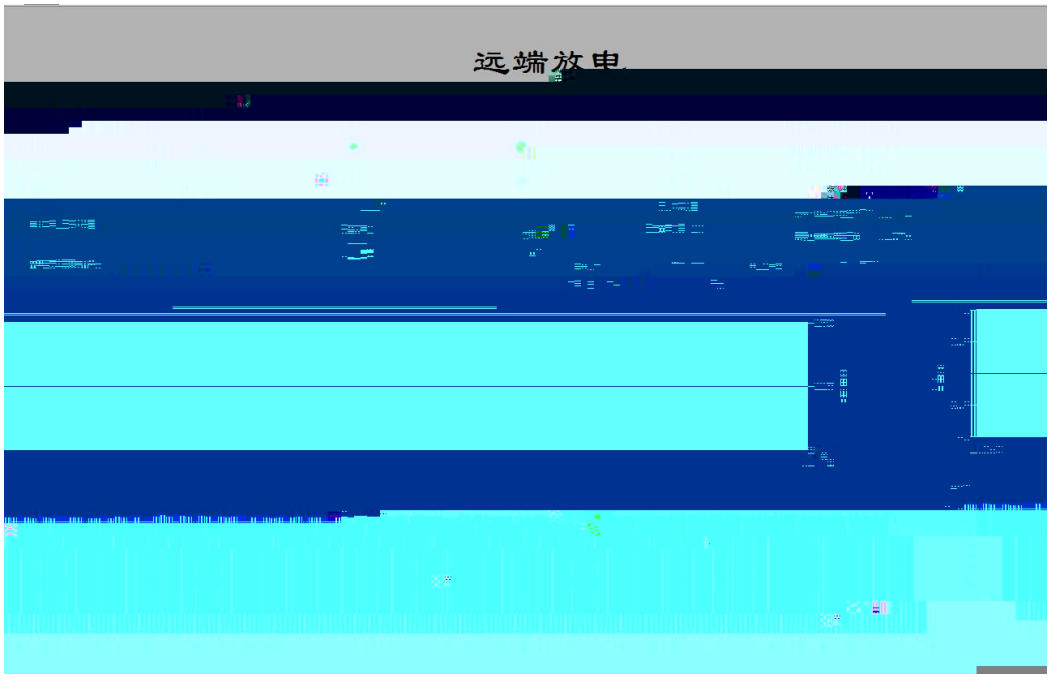
6.9 ——



ضي ą w ╠ Ḡ ת ă L ɾ

خي ضر β خي ضر

ضي ת ă Ḃ ضي ת ƀ ’

ˆ ץ ą ... RS485

1000 ’P ↕ ₰ RS485 ڪ w ì

... β ì L ת پشي

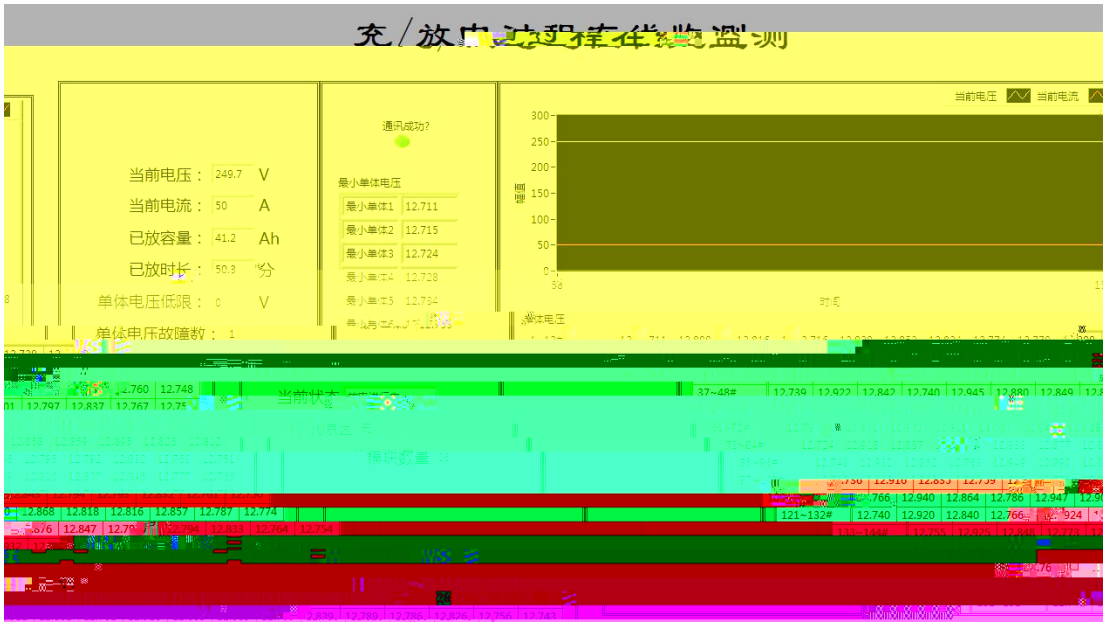
ˆ ץ L قمم ɾ ɾ ˆ ץ ɾ

ضر ƀ ₇ خي ضر ˆ ۱

ˆ ץ ضر ۱ r ۱ ץ ﻳ ₹

ˆ ץ ќ X Y شم ă غ ۱

6.10 ——ˆḤ ضي



ˆḤ ضي ضي w ╠ Ḡ ת ƀ ضي V1.3

ץ ▯ ضي ת ă ۱ r w ˆ

w ʔ ↕ w

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1	ۺجـ	۱	r	۱	ղ	0	ۺجـ
2	ۺجـ						