

2017 294 11

“智能电网技术与装备”重点专项 2018年度项目申报指南

2006-2020

2014-2020

2025

“ +”

“

”

2018

2020

5

23

5 2016-2020

2016

5

17

19 2017 5 18
20 2018 5 19
19-38 4.63

1 1

1.1

1-2

3

5

5

1

1

“

1-2 ”

2

2

2

1.

1.1

/

2MW

200ms

5min

10%Pn

1.3pu

500ms

/

1.2

MW

1MW

±10kV

	50kW	97%
450V~850V		1%;
10ms		1ms
1.3	/	
	/	
		/
/		
	/	
	/	
5km		5
	90%	95%

2.

2.1 500kV

500kV

35%

0.1%

20ms

2.2

/

/

/

/

85-90K /

30

±100kV

1000A

100L/min

/

2.3

/

-

RTU /

PMU

2%

10000

10

-

90%

2.4

-

-

15

6

3

30%

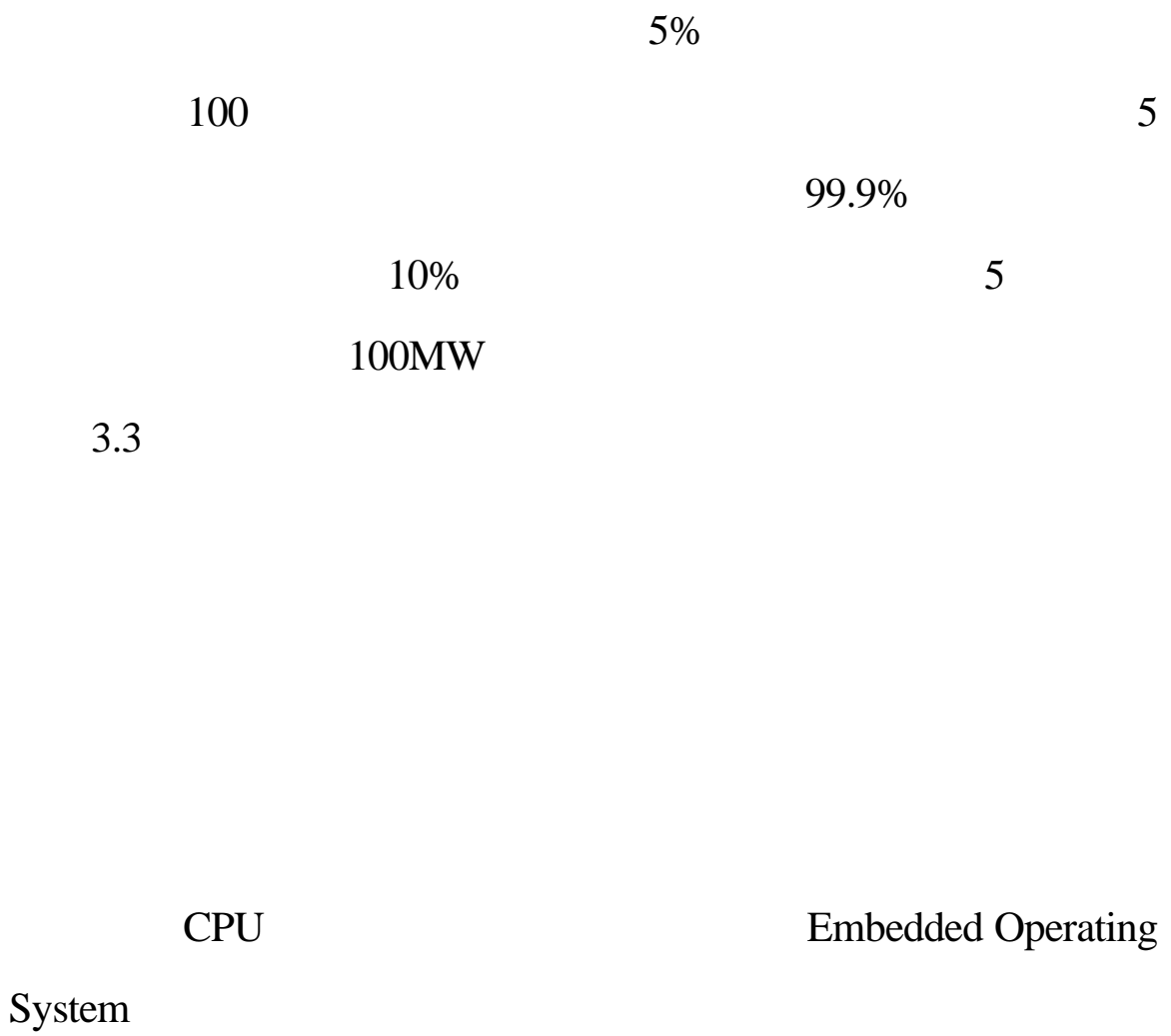
3.

3.1

10kA
5MW
3.2

50

10kV
10kV
 $\pm 10\%$
5



1

2

20

3.4

“ + ”

/

200kW

90%

0-100%

15%

30%

4.2

3

100MW

30MW

75%

98%

5.

5.1

;

10 MW

85%

3

5.2

0.2C
15000
90% kWh
10Ah
20
5.3MW

300kW
85%
30MJ
10MJ
1MW
2%
5.4

/

200Ah
150
Wh/kg 15000 5kW/30kWh
0.2C 85%
5.5

15kV IGBT

15kV
IGBT 10A
100A 20kV
5.6

10MVA

5%

MW