

| 29.03.2005 .: 2535 21.03.2005 .
25 5.03.2008 .

- . 27 .74 24.08.2004
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- . 1. (1)** :
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- . 2. (1)** :
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9. (. - , .25 2008 .)

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10. (. - , .25 2008 .)

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2. (. - , .25 2008 .)

.1, .3, 4, 5, 6, 9 10;

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.1, .8.

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.4, .1, .1, 2 7;

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.6. (1) .4 : ;
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4. .33, .4 ;
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(4) . 4, . 2 ,

(5) .83 .

II

. 7. (1)
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(3) , .
.8. (1) :

1. , .83, .1 ;
2. .4 ,
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(2) . 117, . 2
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(3) 117, . 2
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(5) . 4

. 9. (1)

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- 3. ;
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.10. (1) (. - , .25 2008 .)

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. 12. (1)

. 4, . 2 :

1. (. - , . 25 2008 .)

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. 4, . 1, . 8 .

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(5) (. - , . 25 2008 .)

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. 13. (1)

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- 1.
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(3) (- , .25 2008 .) .4, .1, .7 8

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1. ;

2. .4, .1, .7

(4) (- , .25 2008 .) .3

1. - .3, .1;

2. - .3, .2.

. 14. (1) (- , .25 2008 .) .13, .1 .2

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1. ;

2. ;

.13, .1 2;

3. ;

(2) .4, .1, .1 2

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(5) (- , .25 2008 .) 3 .4, .1, .7

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. 15. (1)

1. ;
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 3. , .14, .1
- (2) .1, .13

IV

- .16. (1)** :
1. ;
 2. .13;
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- (2)

- .17. (1)** :
1. ;
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 3. ;
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- (2) . 1 ,
- (3)

- .18. (1)** :
1.) ;
 2.) .15, .1; .12, .1;
 3. , ; ,
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19. (. . - . . 25 2008 .)

- 20.
- 21.
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.1, .1, " ".

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V

. 20. (1)

- (2)

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. 22. (1) (. . - . . 25 2008 .)

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2. _____ ;
3. _____ ,
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(3) (. . - . . 25 2008 .) . 1 2

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1. _____
2. () _____ ,
- _____ . 104
- _____ . 98

. 23. _____ . 20, . 5 ,
() ,

. 24. (1) (. . - . . 25 2008 .)

- _____ :
1. _____ ;
 2. _____ . 18, . 1, . 1
 3. _____ (_____ ,
 - _____ .);
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. 117, . 5 :

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. 26. (1) (. - , . 25 2008 .)

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VII

. 27.

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. 28. (1) (. - , . 25 2008 .)

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(5) (. 4 - . 25 2008 .)

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(6) (.5, .- , .25 2008 .) .1 .2

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. 30. (1)

117, .5 .
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.1 .117, .5 .

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(4) (.- , .25 2008 .)

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. 31. (1) (.- , .25 2008 .)

.29, .4

(2) (.- , .25 2008 .)

.29, .4

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. 32. (1)

.6

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(3)

.83, .1, .1 .2 .

. 33. (1)

(2) 110 130 % ,

(3) ,

(4) . 32 , - 50 kW,

(5) . 4 . 3.

II

. 34. (1) - 100 kW,

(2) . 1 15 ,

(3) . 1 0,9.

. 35. 0,9,

III

. 36. (1)

(2) . 1 , , I.

(3) . 1, ,

. 37.

. 38. (1) (. - . , . 25 2008 .)

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72, .1 ;
2.

.73, .1, .1-5 ;

3. (. - , .25 2008 .)

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. 121, . 2

(2)

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3. (. 2535 - , .27 2005 .);

4. (. 2535 - , .27 2005 .);

5. (. 2535 - , .27 2005 .).

(3) (. 2535 - , .27 2005 .)

1.

2.

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5. (. 2535 - , .27 2005 .);

6. (. 2535 - , .27 2005 .).

(4) (. - , .25 2008 .) . 2

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(6) . 4
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. 41. (1) (. - , . 25 2008 .)

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(2) (. - , . 25 2008 .)

. 22, . 3, . 2.

(3) (. - , . 25 2008 .)

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. 42. (1)

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- 7 , . 1, . 1,

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(4) , . 39 .

. 43. , 50 kW

. 44. (1)

(2) . 40, . 2, . 3 5 . 42, . 1 /

. 45. (1)

- 30

(2) . 1,

. 46. (1) (. . - . . 25 2008 .)

↓ . 22, . 3, . 2 / Deleted:

(2) (. . - . . 25 2008 .) . 1 / / /

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(3) , . 2, . 22, . 3, . 2

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. 47. (. . - . . 25 2008 .)

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. 48. (1)

. 4, . 2, . 5

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. 51. (1)

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(4) (. . - . . 25 2008 .)
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. 55. . 1.

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. 52. (1)

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. 55. (. - , . 25 2008 .) (1)

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(2) . 50, . 2 3 . 1 :

1. . 50, . 4;

2. . 50, . 5.

(3) . 1,

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. 56. (. - , . 25 2008 .) (1)

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.57. (. - , .25 2008 .) (1)
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.49, .3 _____ ;

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.58. (. - , .25 2008 .)

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. 63. (1) (. 63 - , . 25 2008 .)

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7. .77 ;

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. 69.

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. 70. (1)

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0,15 s;

50 %

15 MVA;

47,5 50,3 Hz;

U=0.8U U=1.1U

0.7 s;

) _____ 50 %
_____, - 1,5 s.

(8) (_____ . 25 2008 .) _____ ,

(9) (_____ . 25 2008 .) _____ . 8

. 75. (1)

(2)

. 76. (1)

. 51, . 1, . 3

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. 51, . 1, . 3

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) (- , .25 2008 .) cos ?;
) (- , .25 2008 .)
) (- , .25 2008 .)
 - 47,5 50,3 Hz;
) (- , .25 2008 .)
 1,1 0,8 0,9 1,1
) (- , .25 2008 .)
) (- , .25 2008 .)
 (I . /I);
) (- , .25 2008 .)
 (I /I);
) (- , .25 2008 .)

(3) .1.

(4)

(5) .51, .1, .3

1. , P/Q ;

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5. . 77. (1)

1. .76 ;

2. () ;

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. 79. (1) (. - . 25 2008 .)

. 116, . 2 ;

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.80. (1) (. - , .25 2008 .)

.79, .2

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.81. (. - , .25 2008 .)(1)

.79, .1, .1 .79, .1, .2

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.82. (1)

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(3) (. - , .25 2008 .)

(4) (. - , .25 2008 .)

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. 85. (1) (_____ . - _____ . 25 2008 .)

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III

. 86. (1) (_____ . - _____ . 25 2008 .)

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(2) _____ . 1

(3) (_____ . - _____ . 25 2008 .)

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. 87. (_____ . - _____ . 25 2008 .)

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1. (_____ . - _____ . 25 2008 .)

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. 89. (1)

88, . 1, . 4 ,

. 88 .

(2) (. - , . 25 2008 .)

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IV

. 90. (1)

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. 91. (1) (. - , . 25 2008 .)

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(2) (. - , . 25 2008 .)

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. 92. (1)

1. (. - , . 25 2008 .)

. 83, . 1

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. 86, . 1

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3. (. - , . 25 2008 .)

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15. (. - , .25 2008 .);

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84, .1;

16. ;
17. ;
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19. ;
20. ;
(2) .1, .1.

. 93.

V

. 94. (1)

(2) . 1

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(3) (. - , .25 2008 .)

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1. .84, .1; ¶
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(10) (.- , .25 2008 .).

(11)

.83, .1 , :

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(12) (.- , .25 2008 .).

. 95. (1)

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.10.

94, .5 6 ,

VI

. 96. (1)

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(2) (. - , .25 2008 .)

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. 97.

6,

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. 94, .5

. 98.

1. (. - , .25 2008 .)

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4. (. - , .25 2008 .)

5. (. - , .25 2008 .)

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8. (. - , .25 2008 .)

9.

. 99. (. - , .25 2008 .) (1)

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. 100. (1)

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VII

. 101.

- 1.
- 2.

. 102. ((. - . 25 2008 .) (1)

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- 1.

- 2.

- 3.

- (2) 1

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. 103. (1) ((. - . 25 2008 .) . 102, . 1

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- (2) . 102, . 1

- (3) ((. - . 25 2008 .) . 102, . 2,

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. 104. (1) ((. - . 25 2008 .)

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. 103, . 1

- (2)

103, . 1,

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. 105. (1)
.79

(2) (. . - . , . 25 2008 .)

(3)

. 106. (1)

(2)
110 130 %

(3)

(4)
. 105 , - 40 W,

(5) .4 , .3.

II

. 107. (1)

(2)

III

. 108. (1)

(2) . 1

(3) . 1,

. 109.

. 110. (1)

(2)

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. 111. (1)

. 110, . 2

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(2) (. . - . . 25 2008 .) . 1

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IV

. 112. (1)

72, 1. . 1 ;
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. 73, . 1, . 1-5 ;

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