16.

17.

4. 2.6

5.

6.

7. 6

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9.

10. 600

11.

12.

13. : ,

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16.

17.

18.

19. EDWARDS

20. Edwards

21.

22.

23.

24.

1. (002158): (2014-05-29)
2.
3.
4.
5. : , 45%--
6. : ,
7.
8. 2014
9.
10.
11.
12. 7 1 8

1

2000

GDP 10%

15

2014

2014

2014

2014

2013

2013

2014

6600

1000 80%

62.2% 48.5% 44.8%

2020 60%

45%

2013

2013 918.48 29.4%

800

4

3000

1862

2015 1400 3000

75% 45%

2014 300

10

300

140 120km/h

2014

15 240

100 230

350 16

3 160

2015 4000

2013 2015 4000 2015

2500 88

20 6100

2014 33 15 4000

700

2014 700

580 120

4 600

5

375

3143.78

87 3143.78

12 1879 2082 53

5018 971 13 70

6 3.78 3 17

2014 650

650 2014

1900 2000

5 7000

700

500 4151

2014

500 2.88 2014

4151

2014 9000

2014 9000

6000 1000 2000

400 85%

600 86%

2014 6

2

2014 2015 GDP

3.9% 2% 2% 2% 5% GDP

4% 3.5% 2014 2015

( )

;

2015 2010 21%

2015

2.5

1100

2200

3 2.5

4 6

2015

230 260 2015

200 30 (HFCs)

2.8

http://www.compressor.cn/News/hykx/2014/0530/73226.html

3 2590

6 10 2014-2015

LG

16

1.7

7548 4669

967 2590

1917

12 30 16

2 3

LG 4 5 11

http://bao.hvacr.cn/201406_2047497.html

4

2014 4134 22%

2013

http://www.chinahvacr.com/News/Class1/201405/News_3108359.shtml

5 R290

R290

R22 R410A R22

HCFC

2013 HCFC 2009 2010 2030

HCFC R410A

R410A R410A

HCFC

1.2

R290 R22 3000-4000

30

700 -800

R410A

R410A

R290l0 1 225 /MCID 3>> BDC BT/F5 14.04 Tf1 29 0 1 EMCF

5

4

3

11

17 "

2013

2.47 "

100 180

1 2% 5%

"

"

"

"

2013-2014

2013-2014

2 6

10

"

"

8

"

"

10 00

10 07

6 10 10 00 10 00

"

"

" "

"

"

2014-2015 5 5

17 11

2010 8 " "

8

11 3

2009 2014

1795 2418 924 1527 1917

2009 ;2010

;2011 ;2012

;2013

2009-2014

" ' '

" ( )

" " 2011-2014

20%

50% "

"

2 3 50%

http://www.chinahvacr.com/News/Class1/201406/News_3111277_2.shtml

7

( )

( )

( )

( )

CBD

( )

( )

2013 2017

( )

30%

50%

50%

( )

( )

([2010]110)

(2013)

( )

( )

( )

( )

( )

( )

( )

( )

( )

( )

([2006]839)

([2007]887)

http://bao.hvacr.cn/201406_2047408.html

8

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M

http://www.chinahvacr.com/News/Class1/201406/News_3111216.shtml

9　　7%

7%

http://www.chinahvacr.com/News/Class1/201406/News_3111210.shtml

10

20-30

GB-50236

http://www.chinahvacr.com/News/Class1/201406/News_3111023.shtml

11

14 22 9 12

R290 3 3 R290

6 7 R410a

2015 10430

HCFC-22 18 R290 R290

7300 HCFC-22

70% R290 HCFC4600 R410A

HCFC2700

2013 HCFC 2009

2010 2030 HCFC

2030

R22 HCFC 22

R410a R22

R410a

R410a R22

R290

R22

HCFCs

R410a

R290 2014

( ) 2015

HCFC 10%

HCFC R290

2013 7

R290

22a 22-A R-22a HC-22a CARE40

R290 R410a

GB9237-2001 R290

2006

R290

2013 5 1

IEC60335-2-40

R290

5 1

R290 R290

R290 3C

R290

R290 R290

R290

R290

R290

R290

R290 2011

R290

2013

R290 R290

10-9 10-6

3

R290 R290

R290

HCFC

R22 R290

3%

R290

R290 R22

30

700 800

R22 R410a ; R290 R22

50% R290 R22 R410a

R290 R290

R290

CFC12

R600a R600a

http://www.chinahvacr.com/News/Class1/201406/News_3111008.shtml

12

28 4

28

2011 2013

1 4 11.5%

8.7% 2.8 9.1%

2.4

5

4

4

1 4 10383 14.14%

16.56% 2.42

3

4

4 100

汉钟

0.02MPa 2.0MPa 4.0MPa 90kW 710kW

4 JB/T 8935-2014

a) GB 22207-2008

b)

c)

5 JB/T 6430-2014

2.2 kW 630 kW 0.3 MPa(0.5 MPa) 0.7 MPa(0.8 MPa) 1.0 MPa 1.25 MPa

1.6MPa

http://www.compressor.cn/News/hykx/2014/0527/73195.html

14

2015 2100

260

20%

85%

2015

8370 8510

http://www.cm188.com/news/16827.html

15

2014

2008

4

4

http://www.cm188.com/news/16716.html

16

50 1.2

4

2011

20

20

2010 6

2011 5 2

1)

PM 99.99995%

6 /

1/2.5

;2010

; N N

2)

http://www.chinahvacr.com/News/Class1/201406/News_3110432.shtml

18

2010 2018

50%

2014 14GW

2014 14GW 8GW

6GW

; ;

NPDSolarbuzz 2013 2014

tu ;

http://www.chinahvacr.com/News/Class1/201406/News_3110486.shtml

19 10GW

16 6 12

7

1000

http://www.semi.org.cn/pv/news_show.aspx?ID=14390&classid=12

20

2011 8

2013 7

2011 70GW 27.5GW

2014 60GW 45GW

2014 14GW

14GW

30 30

14GW

1400

http://www.semi.org.cn/pv/news_show.aspx?ID=14192&classid=12

21

20 SNEC (2014)

( )

4

2013 7 15

2014 14G W

6G W 8G W

8GW

25

8% 10%

4

6

2013 11 2014

12GW 8GW

4GW 6GW

http://www.chinaequip.gov.cn/2014-05/21/c_133349129.htm

22

6 3

18.56%

35.21%

2012 11

6 4

http://www.chinaequip.gov.cn/2014-06/06/c_133387037.htm

23

6 2 500

SVG

6 2 500

SVG

7

1G

40

SVG

http://app.semi.org.cn/a/technology/ic_pv_elect/53136.html

1

1 1

2

2010 2011 1

2 3

2 1

1 1

3

3

JB/T6430 3

GB19153 3

GB19153 3

JB/T6430 1

1

表1 GB19153规定的3级能效风冷喷油螺杆空压机的机组输入比功率与JB/T6430规定的比功率对比

	3级能效标准机组输入比功率	JB/T6430-2002规定比功率	风扇功率比例	Y2系列电机效率	把JB/T6430-2002规定的比功率换算成机组输入比功率	GB19153规定/T6430规定的实际比值
22-7bar	8.4	6.6	1.04	0.905	7.58453	1.107517
22-10bar	10.3	8.6	1.04	0.905	9.882873	1.042207
22-12.5bar	11.6	9.7	1.04	0.905	11.14696	1.040642
45-7bar	8.4	7	1.04	0.928	7.844828	1.070769
45-10bar	10.3	8.6	1.04	0.928	9.637931	1.068694
45-12.5bar	11.6	9.7	1.04	0.928	10.87069	1.06709
55-7bar	7.9	6.7	1.04	0.93	7.492473	1.054392
55-9bar	9.9	8.4	1.04	0.93	9.393548	1.053915
55-10bar	11.1	9.4	1.04	0.93	10.51183	1.055953
110-7bar	7.6	6.5	1.04	0.945	7.153439	1.062426
110-10bar	9.6	8.2	1.04	0.945	9.024339	1.06379
110-12.5bar	10.7	9.2	1.04	0.945	10.12487	1.056804
200-7bar	7.2	6.1	1.04	0.949	6.684932	1.077049
200-10bar	9.3	8	1.04	0.949	8.767123	1.060781
200-12.5bar	10.5	9	1.04	0.949	9.863014	1.064583

1 GB19153 3

JB/T6430 3 4.22%-10.75%

3

GB19153 3

JB/T6430-2002

2 1

2

1

50

1

6kW/m^3/min 0.7 0.8MPa

2010 4 2 2014 4 22

1

6kW/m^3/min 8800

2

0.7MPa 0.8MPa

表2机组输入比功率小于等于6kW/m³/min）的喷油螺杆空压机备案数据

备案产品型号	生产者	能效等级	机组输入比功率	换算到排气压力0.7MPa	相当于JB/T6430规定的比功率
[redacted]	[redacted]	1	5.7	5.3	5.05
[redacted]	[redacted]	1	5.7	5.3	5.05
[redacted]	[redacted]	1	5.7	5.3	5.05
[redacted]	[redacted]	1	5.7	5.3	5.05
JN200W-41/8-ⅡA	浙江开山	1	5.7	5.3	5.05
JN250AW-45/8-Ⅱ	浙江开山	1	5.7	5.3	5.05
JN250W-54/8-Ⅱ	浙江开山	1	5.7	5.3	5.05
[redacted]	[redacted]	1	5.7	5.3	5.05
[redacted]	[redacted]	1	5.7	5.3	5.05
[redacted]	[redacted]	1	5.7	5.3	5.05
[redacted]	[redacted]	1	5.7	5.3	5.05
[redacted]	[redacted]	1	5.7	5.3	5.05
[redacted]	[redacted]	1	5.7	5.3	5.05
KHE315AW-60/8-Ⅱ	浙江开山	1	5.7	5.3	
KHE315W-66/8-Ⅱ	浙江开山	1	5.7	5.3	
GA55+P W 7.5 MK5	阿特拉斯.科普柯（无锡）	1	5.8		
BLT 75A VFC/8	博莱特（上海）	1	5.8		
BLT 75AG VFC/8	博莱特（上海）	1	5.8		
QGD75L AC	昆山昆泰克	1	5.8		
QGD75L WC	昆山昆泰克	1	5.8		
QGD90L WC	昆山昆泰克	1	5.8		
SCR100DW-7/CM	上海斯可络	1	5.8		
QGD90L WC	昆山昆泰克	1	5.8		
SCR100DW-7/CM	上海斯可络	1	5.8		
GE200-41/8-Ⅱ	广东正力精密机械有限公司	1	5.9	5.5	5.22
GE250-54/8-Ⅱ	广东正力精密机械有限公司	1	5.9	5.5	5.22
GE250A-45/8-Ⅱ	广东正力精密机械有限公司	1	5.9	5.5	5.22
JN200-41/8-Ⅱ	浙江开山	1	5.9	5.5	5.22
[redacted]	[redacted]	1	5.9	5.5	5.22
JN250-54/8-Ⅱ	浙江开山	1	5.9	5.5	5.22
JN250A-45/8-Ⅱ	浙江开山	1	5.9	5.5	5.22
KHE200-41/8-Ⅱ	浙江开山	1	5.9	5.5	5.22
KHE200A-38/8-Ⅱ	浙江开山	1	5.9	[redacted]	

E_A7.5	英格索兰（中国）	1	6	
R132IE_W8.5	英格索兰(中国)	1	6	
LG132A-8	浙江红五环	1	6	
JN110W-24/8-ⅡA	浙江开山	1	6	
JN132W-28/8-ⅡA	浙江开山	1	6	
JN160-33/8-Ⅱ	浙江开山	1	6	
JN160W-33/8-ⅡA	浙江开山	1	6	
KHE110W-24/8-Ⅱ	浙江开山	1	6	
KHE132W-28/8-ⅡA	浙江开山	1	6	
KHE160W-33/8-ⅡA	浙江开山	1	6	

2

6kW/m^3/min 2

2

1 2 1

2 0.8MPa

5.7kW/m^3/min 0.7MPa

5.3kW/m^3/min JB/T6430

5.05kW/m^3/min

3 0.7MPa

5.3kW/m^3/min

4

2

5

1

0.2MPa 0.25MPa 0.3MPa 0.35MPa 0.4MPa 0.45MPa 0.5MPa

0.8MPa LG132A-8

6kW/m^3/min 0.3 MPa 3.57 kW/m^3/min 132kW

144.5kW 144.5 3.57=40.48 m^3/min

1

1

1

1 1

1

1 2 3

2 1

2 3

1 1

1 1 0.93

1 7% 7%

3

4

1

1 1 1

IBM PC

PC IBM

1

---- = =

2

?

3

4

2011 2

3-5

20

IHI

91%

$40m^3$

1

10 8 7 2 5

-." E¹

100 500

!

2014 5

3

25 1

30%-50%

8%

10%

25 11.5 26

50% 380V 70 0.1

6.75 88hp

R410A R22 1.6

210mm 450mm

2014

6%-8% MPPT

IPLV 11.68

40% 99.04%

6%-8% 5

10ms

2014

2014

3

IFD PM2.5

PM2.5

2014

cop 6.7

8~35 7~45

60

IDC

5

http://bao.hvacr.cn/201405_2047116.html

4

1

VSD

2

1 2 3

22kw

500-1000

5000

2000

MRO

4S

2014 5

5

2014

;

; ,

!

20% 80%

60%

;

80 100m

30m 20m 10m

3m

50

70 ;

75% 80%

3m ;

1.5m 75%

80%

20% 50%

2.5

100 1000

45000m2 26 1 1

;

22500m

2013

http://www.chinahvacr.com/News/Class1/201405/News_3107472.shtml

6

2014 1 10

(2004~2008)

EGG

2007

400 /

(2008~2009)

40 /

(2009~2010)

4

90 /

(2011~2013)

15 /

(2013)

24

18 /

0.4 / 0.2~0.3 /

0.3~0.4 /

0.6 / 0.9~1.0 /

" "

;

"

"

" "

"

"

2013

24

"

" 21GW 35GW;

0.9 / 0.95 / 1.0 /

0.42 /

; 20 ;

8 / 1.5 /

A

2013

" " 2007

2009 0.3GW.

2008~2009 2009 "

" 2011 2.5GW 2012

5.0GW. 2013 10GW(

) 3 10GW.

10GW ? 35~40GW

25%~30%.

" "

" "

20

10% 15%.

70%~80% 8~10

6%~7%

20

A

15~20

" "

A

" "

DCF

2

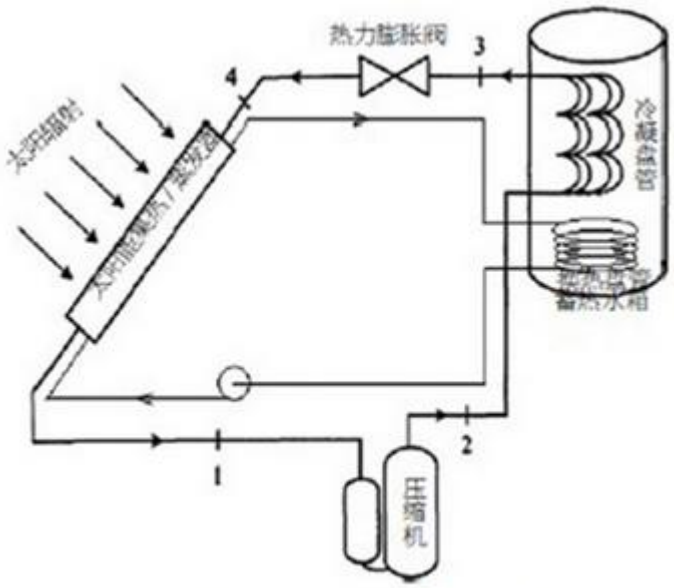
" B•6 "

" "

http://www.chinahvacr.com/News/Class1/201406/News_3110430.shtml

7

30



热泵太阳能热水装置原理

2.

3.

4.

5.

COP COP

6.6 COP 1.8 2.2

http://www.chinesevacuum.com/ShowArticle.aspx?id=44346&pid=39

8

24 FINETECHJAPAN 4

FPD

FINETECHJAPAN

FINETECHJAPAN

2014

OGS InCell

Metalmesh FINETECHJAPAN

FINETECHJAPAN 3M

60 DMC 70

6 OGS

CONJOINTTECHNOLOGYINC.

OGS

FINETECHJAPAN

JTOUCH

JTOUCH

ITO JTOUCH

ITO JTOUCH Metalmesh

ITO 11 Metalmesh

24 180

Metalmesh

ITO OGS

Metalmesh 60

4K 1080P

4K 4K

4K

FINETECHJAPAN 4K 8K

4K 8K

TaiichiroKurita 8K 22.2

2016 2020

FINETECHJAPAN 4K V

8K 2012 8K

ShigetoYoshida

8K

4K 8K

2020

8K

FINETECHJAPAN

4K/8K

NHK 2020 8K

FINETECHJAPAN 4KLED

NormanLao LED

FINETECHJAPAN

FINETECHJAPAN

JTOUCH

JTOUCH

Metalmesh

FINETECHJAPAN

http://www.chinesevacuum.com/ShowArticle.aspx?id=44349&pid=39

1.

1934

MartinBitzer 2006

8%~9%

http://info.hvacr.hc360.com/2014/07/171437529996.shtml

2.

2014 6 4 ·

Nils Schmid Gründerpreis

17 Gründerpreis

11 ·

2005 ·

· 1963

· 1979

250 3200

90 WirtschaftsWoche

1500

15

·

Sindelfingen, Rottenburg Schkeuditz Altenburg

2014 Gründerpreis ·

http://bao.hvacr.cn/201406_2047373.html

3.

2011 12 17

(000651,) IPLV 11.68

2013 12 21

2014 3 7

25%

http://www.chinahvacr.com/News/Class9/201406/News_3110358.shtml

4. 2.6

8.6 7 1.6 18%

1

16000 70000

18%

75% 80%

1.6

1 2014

2012

2000

?

A 2012

2013 2215 2013

11.5 2.5

2004

1016 200

2012

11.62%

246.67 68.86% 22.54

21.5% 383.51 148.53% 25.39

8.97% 223.92 20.28% 8.67

http://www.chinahvacr.com/News/Class9/201406/News_3110551.shtml

5.

21

COP7.11W/W R134a

COP7 !

WME AHRI COP 6.9

IPLV 12.3

2013 2557

WME

http://www.chinahvacr.com/News/Class9/201406/News_3110269.shtml

7. 6

6 5

;1

6

http://www.chinahvacr.com/News/Class9/201406/News_3110558.shtml

8.

24

1 ECO

2014

2013 12 2014

2014

2014

+

50 300 8000

50000

36

100 65

2015

tr50

67000

atlas 17 -600 atlas 20-36

2000

http://news.gmw.cn/newspaper/2014-06/12/content_3386275.htm

11.

Nico Delvaux 2014 8 1

Nico

Ronnie Leten

Nico 1991

Nico Delvaux 2011

2015 6 30 2015 7 1

Nico Delvaux Atlas Copco AB

Nico Delvaux 1966 Handelshogeschool MBA

Nico

http://news.d1cm.com/2014/07/16/071611035660697.shtml

12.

2014 7 3 / / -- 6 30

(64.23, -0.27, -0.42%)

[ ]

13

200

11

20 6 29

11

3 8 2011

2012 2012

140

http://finance.sina.com.cn/stock/usstock/mtszx/20140703/102019596353.shtml

13. : ,

:

, 60 / ORC

ORC , ,

2014 5 25 ,5 30 ,

470 , 2.8 900KW , ORC

756 , 460 ,

2.8 ORC ,

, 1000KW, 500 ,ORC

1000

ORC ,

50~60 ,

5~6 , 800 ,

4 , 60 /

ORC

,

,

,

,

,

，　　，　　，

，　　，

2014~2016　EPS　　1.16　1.38　1.51

,PE　29　25　22.5

，　　，　　，

，　　，

：　　；

http://finance.qq.com/a/20140718/048570.htm

14.

--

R22

?

2000

60

? ? ?

R14 130

(R14)

30

? ?

130

?

2004 2005

R22

2008

2011

2009

0.4m^3 (-70 ---120)

2002 -130 -105

8

3%

30%

25%

40

10

10

10

2003

-23

2

( )

?

50

20

0 4 30

http://bao.hvacr.cn/201407_2048604_2.html

15.

6

75%

1

260

5~12%

VPJ

7600

100%

1 1200--7600 r/min

(6.2-10 bar)

2 1 7

37kW

1

3

4 65

1

2

3 (

4

5

100% 2.3% 75% 41.5% 50% 46.1% 25%

10.1%

http://www.compressor.cn/News/qyzc/2014/0708/73914.html

16.

2014 5 26

20000

4.0

CEO

2016 6

http://www.compressor.cn/News/qyzc/2014/0715/74027.html

17.

7 14

7 UCON

AC AC

AC32

http://www.compressor.cn/News/qyzc/2014/0716/74053.html

18.

6 19

GHH

MANN

22-35 bar (300-510psi)

http://www.compressor.cn/News/qyzc/2014/0621/73619.html

19.EDWARDS

Edwards 2014

2014 5 20 -- Edwards 2014

Edwards

RH-OB (Vacuum Decarburisation Oxygen Blowing

Edwards

http://www.chinesevacuum.com/ShowArticle.aspx?id=44487&pid=39

20.Edwards

2014 6 24 --

CPhl Edwards

Edwards

CXS

CXS

,

Edwards CXS

Edwards EDP

EDP

Edwards

CPhI

Edwards

2000 Edwards

Edwards

Edwards

24 Edwards

2014 6 26 28 CPhl

Edwards

Edwards #N1A05 N1

2014 6 26 ~ 28

SNIEC

Edwards

Edwards

LED

Edwards 20 3,200 500

Edwards

http://www.chinesevacuum.com/ShowArticle.aspx?id=44888&pid=39

21.

5 14 15 ISO9001 2008

13 2

13

http://www.chinesevacuum.com/ShowArticle.aspx?id=44762&pid=39

22.

SolarCity • Peter Rive

Silevo

Twitter SolarCity

SolarCit CEO

SpaceX CEO

SolarCity

SolarCity

SolarCity

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 Silevo

SolarCity 11%

http://www.chinesevacuum.com/ShowArticle.aspx?id=44865&pid=39

1. (002158):

(2014-05-29)

2014-05-29

300033 002158 5 29 0.05% 18.30

0.69% 0.30 425 399

436 523

18.39

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http://stock.10jqka.com.cn/20140529/c565774620.shtml

2.

2014-05-21

2112 8448 2.3496

2013

12 31 18,514.20 11,564.66

62.46% 6,949.55 37.54%

2011 2012

002158 15.49 13.54

49.42 47.38,2013 45.75

2011 -2013 0.77

1.16 1.42 0.30 0.34 0.58

4.42 4.98 3.65 4.09

http://yuanchuang.10jqka.com.cn/20140521/c565577108.shtml

3.

2014-05-27

2013

A B A

2012 15.81% 19.27%

2013 4 8

2014 1 13

[1.41%]

[0.33%] [2.95%] A

D

*ST *ST *ST [0.60%

]

480 69

A 14.38% 334

B 69.58% 68

C 14.17% *ST 9 D

1.87%

701 147

A 20.97% 480

http://finance.ifeng.com/a/20140527/12413952_0.shtml

4.

2014-06-02

WWDC 2014

6 5

WWDC 2014

6 2

★★★★★

WWDC 6 2

iPhone NFC( )

A

NFC

6 5 -7

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280 7

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2014 4 3

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117

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20% 26 61%

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2014~2015 0.8 0.96 1.14

, 2014 PE 20 , ,

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http://finance.qq.com/a/20140505/015980.htm

6. : ,

2014-05-20

2013

9.5%, , 24%,

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15%~45%, 2014~2016 EPS 0.8 0.96

1.14 , PE 22 18 15 , 15~45 ,

35 ,2012 , 15 ,

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http://finance.qq.com/a/20140520/039611.htm

7.

2000

2014-06-09

3 [-0.55%] 3.2 3.65

A

20%

5 6

5 2.18

4 3.1% 1.5% 1.2 4

4.8% 5.4% 0.98 2.9% 2204

70.3%

2014 6 16

[-0.96%] 2014 3 A

A [-0.54%] 2552 A

RQFII 359 300 1005

50 330 180 145

100 68 500 111

[-0.91%] [0.00%]

[-0.04%]

[-0.93%] [-0.30%]

6 16

15% 20%

2014 /

[-0.31%] 000811 9.64 [-1.34%

] 000530 8.85

/

[-1.87%] 3

[-2.15%] 002158 15.46

http://finance.ifeng.com/a/20140609/12499121_0.shtml

8. 2014

2014-06-09

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http://finance.qq.com/a/20140609/011231.htm

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http://finance.ifeng.com/a/20140612/12527023_0.shtml

10.

2014-06-16

CalEnergy

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56 NV

NV

2025 25%

A

13

2030

800-900

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2015

5 10

15%

70%

30%

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http://finance.qq.com/a/20140616/012214.htm

11.

2014-06-23

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43,360 10.84 / 29,000

100%

14,360

7,921.30

2.9

86750 7921.30

2012 7 2012 11

2012 12 2013

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8000

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2014-06-26

300033 7 1

2012 40%

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000530 002468 002158 002413

002011 600619 600481

http://yuanchuang.10jqka.com.cn/20140626/c566273653.shtml