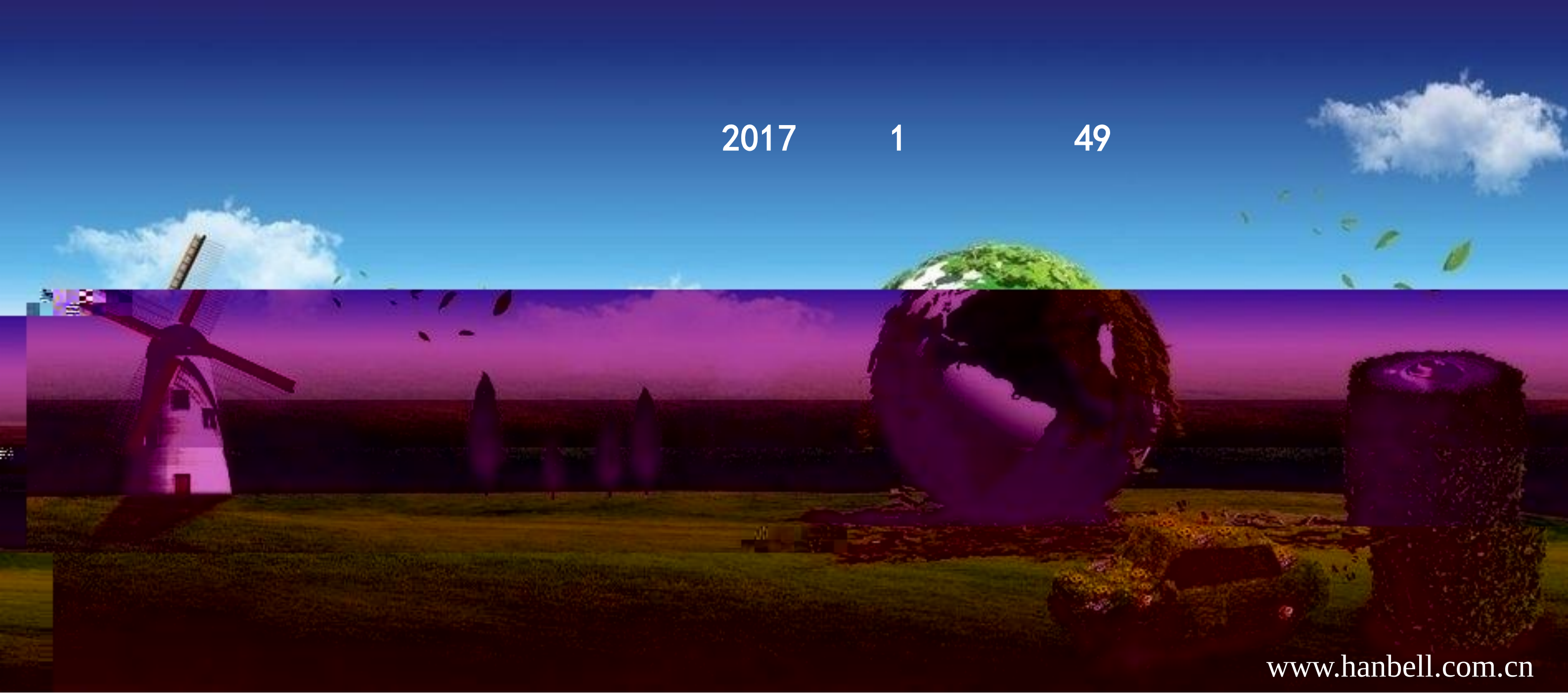



emily_huai@hanbell.cn
ir@hanbell.cn

021-51365368

1.

2. 2017

3. HCFC HCFC

4.

5. 2016

6.

7. 2017

8. 2017

9.

10. 2017

11.

12. 200

13. 2017

14. 2017

15. 2017

16.

17.

18. 2017

19.

20. 3 2017

21. 2017

22.

23.

24. 2016 FCV 225%

25.

26.

27. 2

28. 4 2017

29.

30.

31.

32. SEMI 2016 412

33.

34.

35.

1. 2016
2.
3.
4. 2017
5. 23%
6.
7.
8.
9. 2016 6

1.
2.
3.
4.
5.
6. shecco

7. UL
8.

9. ·

10. ·

11.

12.

13.

14.

15.

16.

17.

18. Busch

19.

20. 2017 1 5

21. 10 10

22. 510

23. 3nm

24.

25. MIP

26. 2

27.

28. 80 5

29.

30. 2.45

31. 10Gw

1. ---

2.

3.

4. ---

5.

6. -- : 10%

7. 1.67 6.27%

8. ----Seafarer Capital

9.

10. 20

11. 2016 2017

12. 21 603066 002158

13.

14. 002158 ---

1

2016

!

!

2016

2017

http://news.ehvacr.com/news/2017/0119/100262.html

## 2 2017

2016 2017

HFCs

2036 HFC 85%

Florian Veyssilier

· (Philip Owen)

(CARB) HFC

CARB (SLCP) HFCs

2030

HFC 2013 40%

SLCP 2017 3 CARB

(SB)1383 2016 8 31 CARB 2018

1 1 2018 2019

2036

85%HFC HFCs;

HFCs ; HCFC

HFC 2018 1

2036 HFC 85%

2017 F-Gas

/ F-gas

2016 8732

2014 58% 2014

418

F-Gas

HFC 2015 37%

Florian Veyssilier

?

1 20 ·

( HFC )

EPA

(EPA) ·

Lowell Randel

HFC

( ) ( )

(HFC )

?

ETS

11 30

2030 1990 40%

30%

( ) ( ) ( )

2017

2030 40%

(ETS)

ETS

2021 2.2% 1.74%

2020 2030 5.56

HFC

LIFE GWP

HFCs

ODS

HCFCs

HCFCs

3M

HCFC

ODS HCFC

HCFC ODS

50 9 16

HCFC

HCFC

HCFC

HCFC

HCFC

2016 HCFC 77

HCFC

HCFC

HCFC 2020

35% 2025 67.5%

HCFC

http://news.ehvacr.com/news/2017/0315/100579.html

4

2 7 R22

1000 10500 11500 R32

800 1300 12800 13800

http://news.ehvacr.com/news/2017/0210/100342.html

5 2016

2016 20

2016

2016 ?

**1**

1

22:00 6:00 21:00 6:00

**2**

2015

2017

10 1

2015 5 1

**3** **43** **8600**

9 14

GB19577 2004

COP COP

IPLV

**7**

7 1 GB/T18837-2015 ( )

APF APF

**9 GB/T 18801-2015 2016 3**

2015 9 GB/T18801-2015

2016 3 1

( ) ( CADR ) (

CCM )

4

**10**

2016 5 27

2 0 2 5

**11**

2016 1 14 -

55

12 95 95

-

-

http://news.ehvacr.com/news/2017/0214/100371.html

6

20

40%

40%

25 30

50% 65%

2005 53% 2009 99% 21% 90%

( )

50%

10% ;

40%

2009 10 900

1800

5 10 10 20

9 9

1.8GJ/(m2a)

1.25GJ/(m2a) 43.3%

700

2009 18

1600

2 3

1.5

60-70% 30%

( )

6000-8000

300

http://news.ehvacr.com/news/2017/0221/100419.html

7 2017

1

2005 43.00% 2015 56.10%

70%-80%

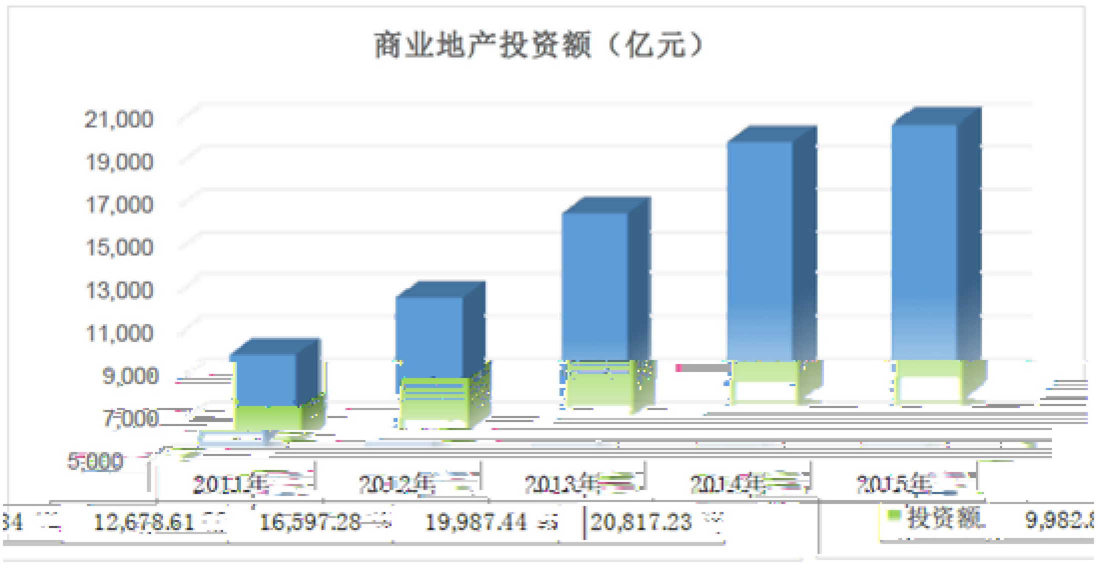
2020

2025 61% 65%

1

2015

2.08 4.15%



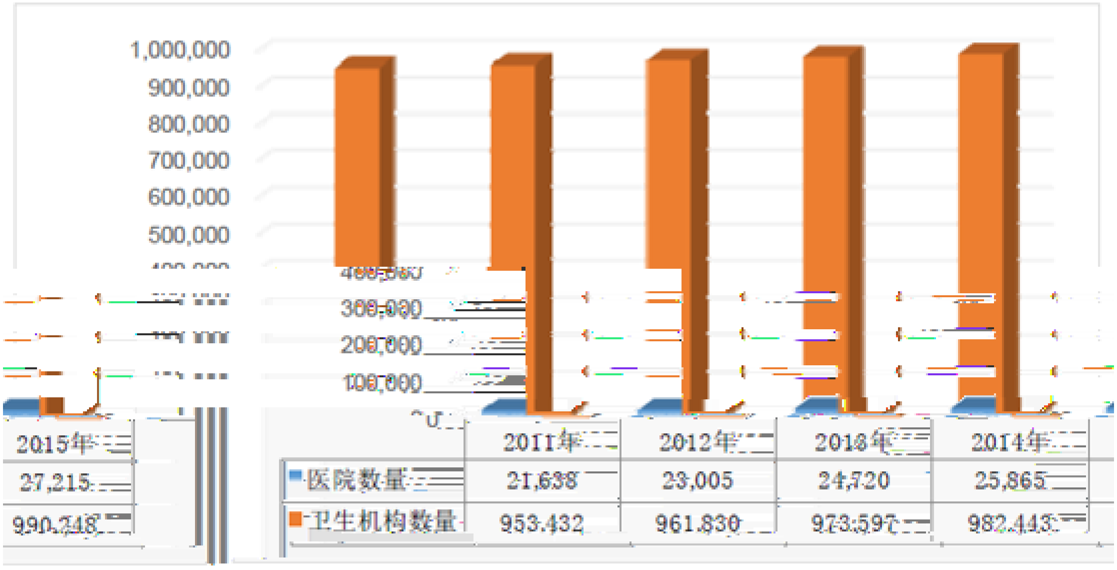

2

1

2015

990,248 27,215 2014

7,805 1,350



2013

2

2014 22

3,173

300

3,000

2016~2018

103 2,000

3

2015

49,868 21,966

2015 2,956

3,136 2014 196 26

2

1

GMP

2014

23,200.28 15.26% 2014

5,191.93

2

2014-2020

2020 5,800

3,000

2016 9 30

20-28 45%

2015

70,713.5 5.0%

3,860.4 5.4% 2015 500

11,913.2 15.0%

16,149 18.3%

3

2016

2016 2 26

2016

410 15 2017

2020

2016

COP

80%

4

20 90

15-20

http://news.ehvacr.com/news/2017/0320/100614.html

## 8 2017

2017

2017


国家能源局
National Energy Administration

请输入关键字

首页 信息公开 领导活动 新闻中心 能源要闻 在线办事

您当前位置：首页 > 正文

目录项的基本信息

公开事项名称:国家能源局关于印发2017年能源工作指导意见的通知
索引号:000019705/2017-00016 主办单位: 国家能源局
制发日期:2017-02-10

国家能源局文件

国能规划〔2017〕46号

国家能源局关于印发2017年

能源工作指导意见的通知

6000

44

36.7 5.0%

6000

2017-2020

http://news.ehvacr.com/news/2017/0221/100417.html

9

2 4

( )

( ) 11

( ) 7 1400

4 800

500MW 400

2600

2020 ( ) 16

530MW

30MW

2016 12 21

( )

2.5 39%

60000MW 5000 ;

80000MW 7000 ; 70000MW

1

3000

2014 27.28 MW

1/200 18

100MW

400MW

11 830MW

2015 1.02

( ) 3.92 80%

(5.950,0.00,0.00%) (

) 20

( ) 1 0.5 MW

2016 11 11 4000

http://news.ehvacr.com/news/2017/0302/100483.html

## 10 2017

2016 18

2017 18

2017

2017

1 19

LNG

2 9

PM2.5 6% 8% 210

2017 600

10 18 ( )

10

10 80%

2017

8000 100

20

2017 10

2016 2017 (

) 2017

338.45 2016 275.61 22.8%

2017 172.18 2016 12%

2020

1

70% 6

250 7%

2017

2017 2016

2016

2020 9300

2015 17%

2020

200

2020 4130

100%

2020

375 194

50%

2 4 100 2020

2630 / 90%

(1 3 5

)

68 490

720

2013 720

80 6000

7200

600

600

200

30%

http://news.ehvacr.com/news/2017/0216/100390.html

## 13 2017

2016

2016 2200 22.3% 2016

305 4015 ( 10037 )

8.2%

2016

2.2 11.5 2015 23.6%

GB1589

2017

14 2017

1.

2016 10 10

LNG

LNG

,

2. 2016-2018

2016-2018

2018 3

2016-2020

11 21

2016-2020

2017

2016 12 1 2017

2014-2017 2015-2017

2015-2017

2017

300-500

10 ;

500-800

6 ;

300

9 ;

200-1000

7 ;

30%

5

;

;

300

6 ;

500

;

http://news.ehvacr.com/news/2017/0315/100573.html

16

,

,

,

, ,

http://www.chinaiol.com/cold/r/0308/25179562.html

IE IE1 IE2 IE3

IE4

IE3

IE4

2010 IE3 150

7.5 375 IE3 +

2012 9 GB18613-2012

IE2 IE3 2015

2016

2010

2013

2014 10

2014

2017 1 23

7

**[2017]6**

2010

2017 3 1

2017 4 1

.doc

**2017 1 23**

10% 50%

http://www.compressor.cn/News/hykx/2017/0209/92707.html

18

;

2017

1.5

1000

2013

;

0.93:1 0.67:1

http://www.cm188.com/news/22072.html

19

PC

APP

AI

COPY

DCS

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=106&id=7032

## 21 2017

2017

147 18 29

18 26 11

20 22 3

2017

2016 9 2017

2016 10 131.7

67 639

8

2017

2017

3

147

2017

http://www.compressor.cn/News/hykx/2017/0110/91911.html

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=106&id=7030

22

6

90%

10

200 8 ~10

8 ~12

15

3 5

6S MRP

2

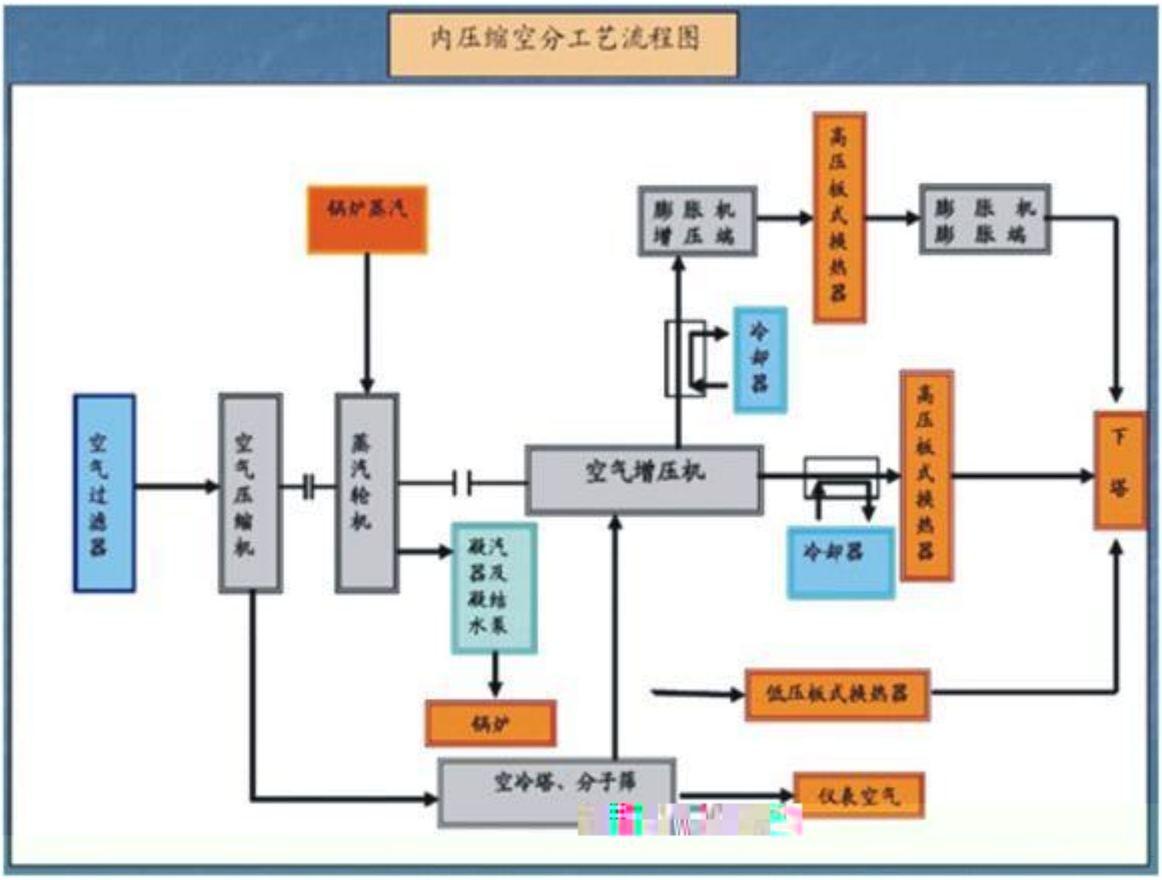
2025

6

3

n n

20 22 4


内压缩空分工艺流程图
锅炉蒸汽
膨胀机增压端
高压板式换热器
膨胀机膨胀端
冷却器
空气过滤器
空气压缩机
蒸汽轮机
空气增压机
冷却器
高压板式换热器
下塔
凝汽器及凝结水泵
锅炉
低压板式换热器
空冷塔、分子筛
仪表空气

70%

400

12

10

2-3

500 1.5-6 m3/h 80 2013 1

2013-2015

10 m3/h

2011-2012 8 10

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=106&id=7031

## 24 2016 FCV 225%

evsales

( )2016 2312

225% 2009

2019

100000

2016

3

Mirai 2016 2039 2015 498

85% 2017 10000

2014 12 14 Mirai 723

483 1500 Mirai

2020

3

ix35/Tucson FCEV 2016 160 2015 213

Evsales 2017

Mirai Clarity

2014 FuelCell

426

MODEL S MODEL X FuelCell

( ix35)

/ix35 2018

30% 554

5 ( 34.75 )

ix

2017 130

10

2018

Clarity FCEV 113 2017

2000

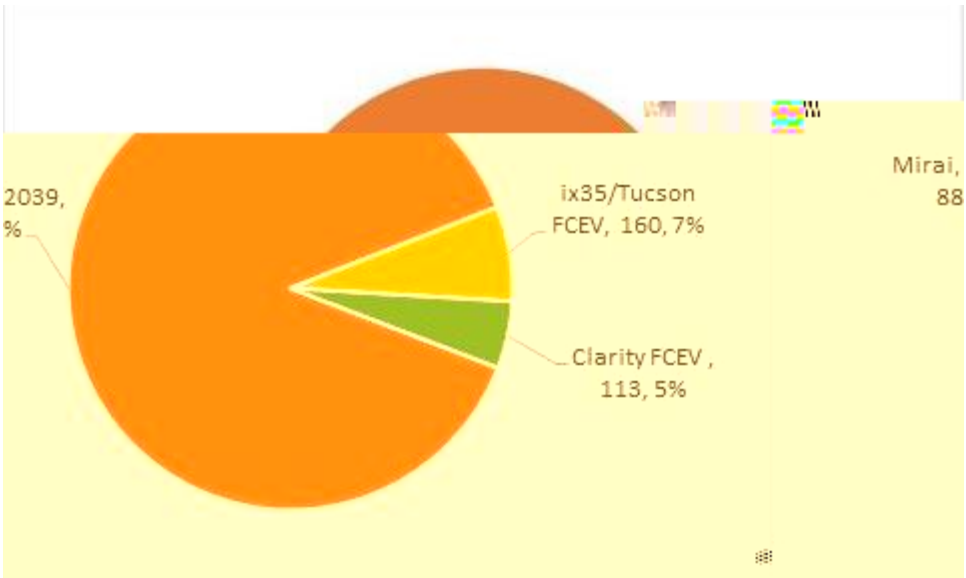
2016 3 Clarity Fuel Cell 766 ( 44

) 589 12 Clarity

369 36

50:50

2020




2016

2016

Mirai 88% ix35/Tucson FCEV 7% Clarity FCEV 5%

2016

2312 2016 (774384 ) 0.3%

http://china-hydrogen.org/fuelcell/mix/2017-02-17/5913.html

25

Isondo Precious Metals

12

Isondo Chemours Technologies

Isondo 1.2 900

E4tech

David Hart 2030 160

http://china-hydrogen.org/fuelcell/mix/2017-03-13/5991.html

26

2 21

5

e.m.t GmbH

2017 5

http://china-hydrogen.org/fuelcell/mix/2017-03-06/5970.html

27 2

2

3 7 2

414 125 69.29% 89.42% 1 6

0

3 7

2017

1 6889 5682

69.1% 74.4% 1 35 15 0

e5 IEV

2

e 2

14.71%

1.6L 2

SUV 50.58% 12738

484.33% 1268 97.64% 6028

3 7

1-2 48.08 48.74

52.77 2 812

( ) 17422

11.3% 1-2 42.75%

41.82%

1~2

16.87 12.6% H2S SUV

1-2 29.46% 27.38 42.10%

28.24

2017 19.16

105% 1-2 20.53% 12.31%

2

1 237 252

1 3.9% 0.2%

1 11.3%(30 )

2

1 61.5%

2016 12 42.9% 50% 2

5.1% 66.6% 1

1

2 3

http://www.d1ev.com/49744.html

28 4 2017

2017

( )

2017 2016 20%

50% 2016 EU260

2016 11 2017 6.6

4.4

4

2017

EU260

4.4

( )

EU260

2015 11

2016

50 1 500

6

2016 5.1

153.4%

e-Motion drive

EV EU EX 2017 EC180

10

E

http://www.d1ev.com/48287.html

29

3 12

0.027 /

0.019 /

2020 105GW

105GW(2016 33GW 77GW)

7GW

2020

150GW

10%

5%

http://news.ehvacr.com/news/2017/0313/100554.html

30

2017

2016

2015 2016

2016

7 7.5GWh 2020

50GWh 300

2015 2016 800 1000 2017 2

200

2017

60%

IPO

http://libattery.ofweek.com/2017-03/ART-36005-8470-30114605.html

31

4

( ) 2017

6 30

?

2016 3454 ;

424 200% 8

50%

2017

2016

;

2020

100

2016 13.3%

1 ~1.5

(2016 ) ( ) 2017

(12.6 ) (5.5 )

(4.81 ) (10 )

20 6

2017

20

2020

2016 0.42 /

2016 70 / ;

1.4 ; 0.5 /

7.3 /

0.65 /

2017

PERC

N

2017

2.9 /

0.3 /

2017 6.9 /

2020 5.7 /

2020 5 /

2009~2014

5 ~10

2017

2017

2017

http://solar.ofweek.com/2017-03/ART-260009-8470-30115836_2.html

## 32 SEMI 2016 412

SEMI 2017 3 13 2016

412.4 13 2016

2015 24

SEMI SEAJ

WWSEMS

24

| | 2016 | 2015 | % Change |
|---|---|---|---|
| Taiwan | 12.23 | 9.64 | 27% |
| South Korea | 7.69 | 7.47 | 3% |
| China | 6.46 | 4.90 | 32% |
| Japan | 4.63 | 5.49 | -16% |
| North America | [illegible] | [illegible] | [illegible] |

http://www.semi.org.cn/news/news_show.aspx?ID=48603&classid=117

33

WWSEMS 2016

412 4 2015 13

122 3

27

SEMI 2016

412 4 2015 13

2016 2015 365 3

2016 2018 1990

http://www.semi.org.cn/news/news_show.aspx?ID=48634&classid=117

34

Intel

600

SEMICONChina 3 16

MentorGraphic NXP NVIDIA

RussellLee

30

RussellLee

Dr.PatrickLeinenbach

90%

ADAS

10 $10T

CES

EV Autonomous

IC CAGR 7%

MasashigeTada

IGBT IGBT

http://www.semi.org.cn/news/news_show.aspx?ID=48642&classid=117

## 1 2016

2015 2016

2016

2016

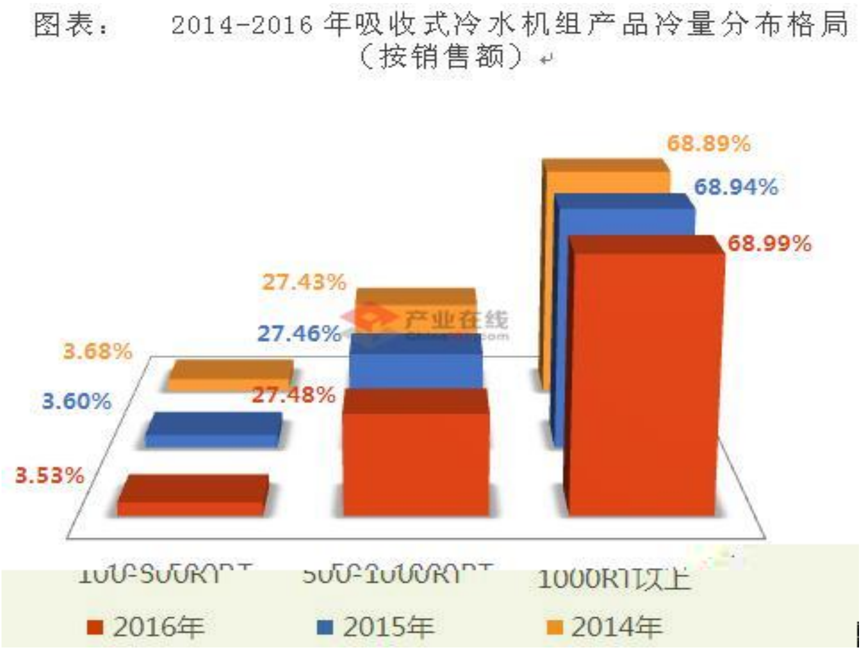
“ ”

2016

2016 4.89

10%

20% 2016



图表： 2014-2016年吸收式冷水机组产品冷量分布格局（按销售额）

2016

500RT

90% 1000RT

500-1000RT

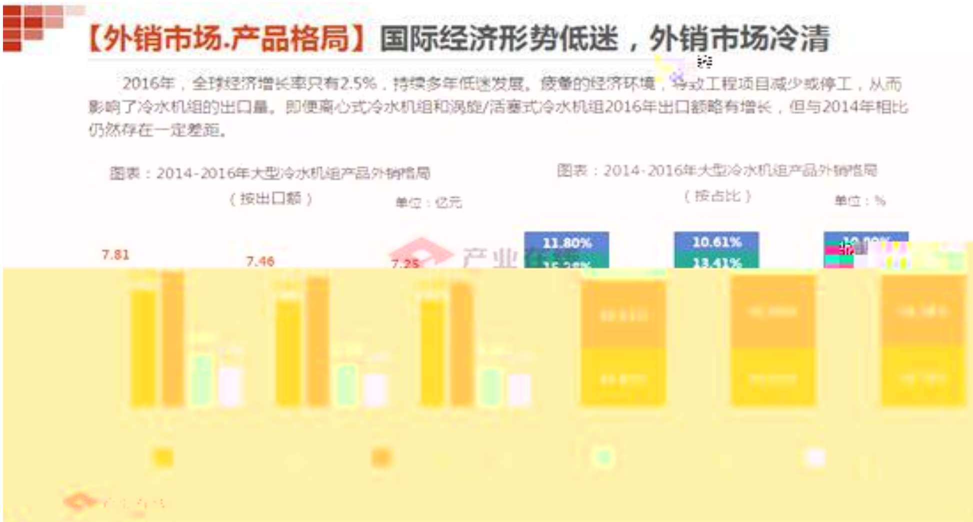
2015

2016

2016

2016


【内销市场.派系分布】美系品牌占比继续增长
2016年美系品牌仍旧是冷水机组行业的主导，占比与2015年相比增长了0.71个百分点。欧美品牌多以离心式冷水机组和螺杆式冷水机组为拳头产品，而这些产品往往对应的是机场、学校或大型交通枢纽等场所，此类工程项目多以民生类基础建设为主，市场需求相对稳定，加之随着美系品牌战略的调整，逐渐提升了产品性价比，使得市场接受程度也有所提高。
图表：2014-2016年大型冷水机组品牌阵营内销格局
单位：%
日韩 9.89%
日韩 9.92%
日韩 9.73%
中资
2014年
2015年
欧美 61.96%



【外销市场.产品格局】国际经济形势低迷，外销市场冷清
2016年，全球经济增长率只有2.5%，持续多年低迷发展。疲惫的经济环境，导致工程项目减少或停工，从而影响了冷水机组的出口量。即便离心式冷水机组和涡旋/活塞式冷水机组2016年出口额略有增长，但与2014年相比仍然存在一定差距。
图表：2014-2016年大型冷水机组产品外销格局
（按出口额）
单位：亿元
图表：2014-2016年大型冷水机组产品外销格局
（按占比）
单位：%
7.81
7.46
7.25
11.80%
10.61%
13.41%

2

2017 3 1

2010

2015 24 3.5

5.55 65%

2.9

CEMEP

eff1 eff2 eff3 2003-2006

IEC60034-30 IE1 eff2 IE2

eff1 IE3 IE4 2011 7 1 IE2

20% 30%

20% 30%

80%

2010 6 2

15-40 12

40-60

2012 GB18613-2012

2013 2013-2015

2015 1.7 1.6

1 2000

1 23

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=5&id=7024

3

300

150

100

300 100

1000

5000

2016 2018

303

4.7

103 2000

1.6

GDP

1 GDP 2.63 8000

4 8

4500 1.8

3.6 GDP 4.7 9.5

2015 7 7300

22 2764

500 39 2020

50 7000 4.3

68

2015 2017

2020

60%

3

90

31

2011 2020 6560

2020 7395 2010 2015

250

2020

(2006-2020 )

/

187

http://news.ehvacr.com/news/2017/0303/100491.html

## 4 2017

2017

1

2014 0.058 / 0.357 /

2014 7.6 15 25

5% 25%

95%

2

2015 30% 50%

65% 15% 8% 10%

3

2014 930 10.5%;

30 2014 1531 17.3%

1

2010-2015

2010 748 25.9%;2015

1194 14.1%

2010-2015 2010

1371 2015 1780 ; 2010-2015

2014 1.0%

2

1) 2015

33301 17675

5%

7-Eleven 18 572

5

2)

;

;

2014 225

3 2017

1000 2018 1500

2017-2022

2014 11200 2013

22%

2014 3320 8300

2013 2411 36.9% 21

2014 60

25% 30% 1/4

5%

http://news.ehvacr.com/news/2017/0313/100556.html

5

23%

12

2015 15% 8% 5% 2020

30% 13% 8%

2020 2015 15%

50

2020 58%

55% 15%

10%

2020

2015 18%

CNG/LNG

2020 1.5

1000

3 2020 2015

450 18.9

2020

/

2017

2017

附件2

## “十三五”主要行业和部门节能指标

| 指标 | 单位 | 2015年实际值 | 2020年 | |
|---|---|---|---|---|
| | | | 目标值 | 变化幅度/变化率 |
| 工业： | | | | |
| 单位工业增加值（规模以上）能耗 | | | | [-18%] |
| 火电供电煤耗 | 克标准煤/千瓦时 | 315 | 306 | -9 |
| 吨钢综合能耗 | 千克标准煤 | 572 | 560 | -12 |

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=5&id=7026

6

2016

5 8 40

174 4000

3.1

3.1.11

5

5.1

5.1.3

CO2

5.1.6

MEA

DC/DC

**7**

7.1

7.1.2

1 2

7.1.4

7.1.5

1 2

-

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=5&id=7023

7

2015

**1.**

2015 56.0 3%

52% 2014

39


2012-2015

**2.**

PACK

3500W/kg

180-200Wh/kg 8000

2012 5 /Wh 2.5

/Wh

7 27

3 /

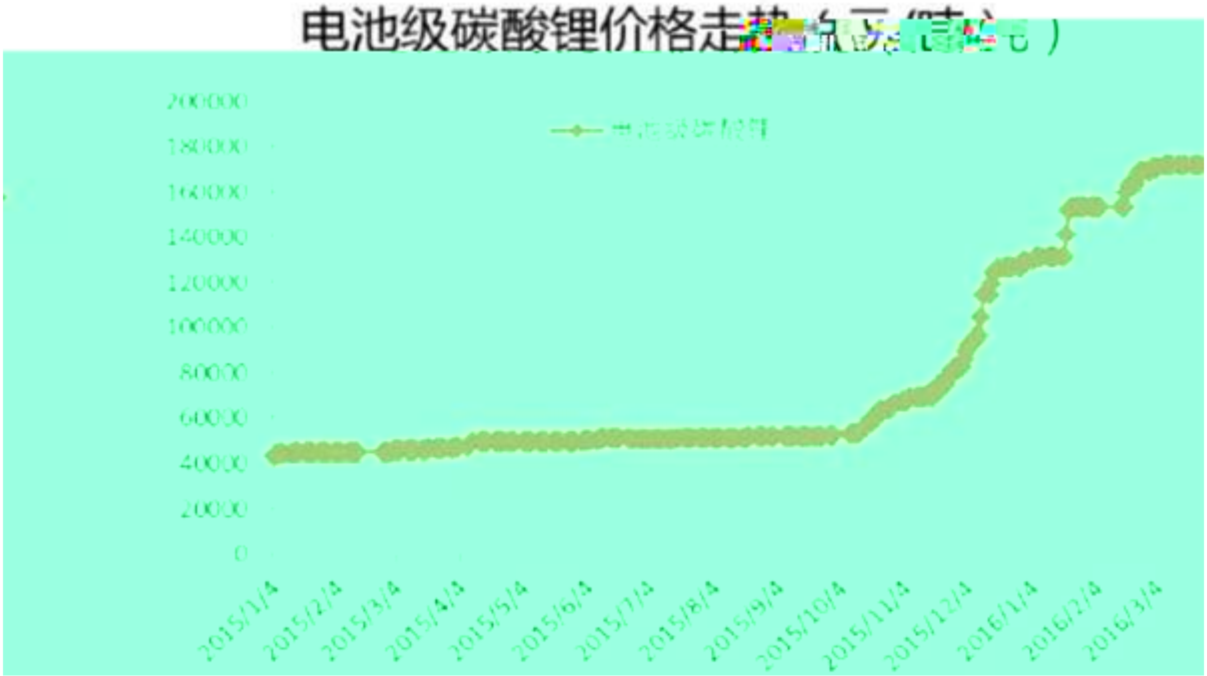
**4.**

2015 4.3 / 12.3 /

3 2016 6

15.5-16.5 /

16.5-17 / 18 /




**5.**

2016

2015

2015 3

2016 4 29

GB/T 31484-2015 GB/T 31485-2015 GB/T 31486-2015

2016

2015

3

2025

2025

400Wh/kg 0.8 /Wh 1 /Wh

**1.**

2015

2016 54

1160

2015

30GWh 70GWh 2018

100GWh

2015 10

75.3% 121

20

**2.**

2016 4 29

**5.**

80%

50% 20%

**6.**

2010 49

2015 14 2016 1-7 15

2015

0.17

49

50%

**7.**

2016

**1.**

2.

3.

4.

5.

6.

**7.**

2015

http://libattery.ofweek.com/2017-03/ART-36000-8470-30112797_6.html

8

PV(photovoltaic) 76%

;

;

+

IT

10

2011

0.42

2016

18 2017 7 2

2.1MW 2.1MW

3738 261.01 kWh 886t

1933.12t 13.10t

550

282.72kW

2017 9 1

1

PM2.5

2

2016

17.94 24.43 ; 12

350 kW 3%; 750 kW 15%

3

50% 100kW

4

http://solar.ofweek.com/2017-03/ART-260009-8470-30116110_2.html

9 2016 6

77.4

40%

1%

32

86%

16

20%

2016

50%

50%

2015

53% 47%

62% 10

10

2020

2016

2016

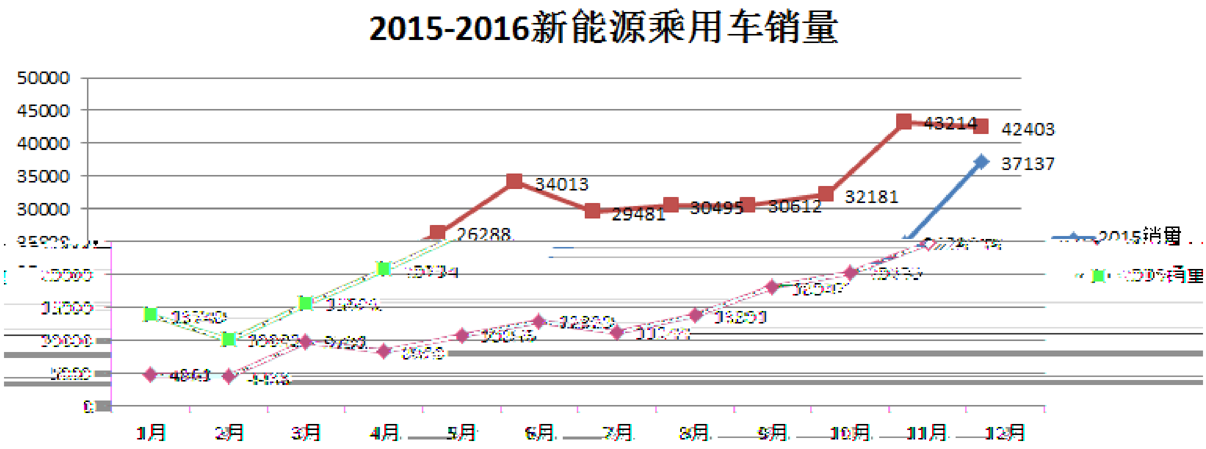
2016

2016 32 86% 2015

2016

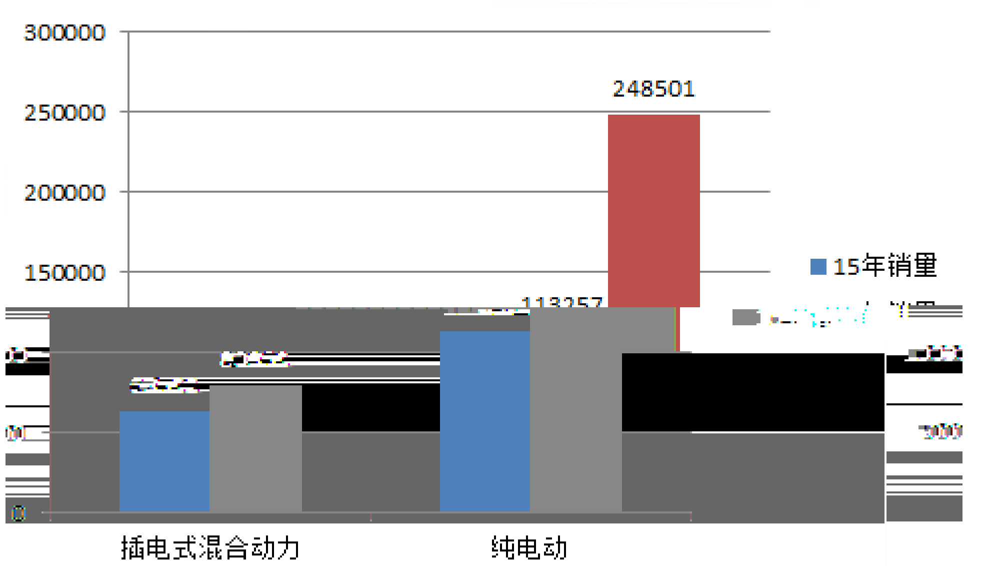
12 43214 15 12 37302 14%

12




16 32 8

26% 24 119%

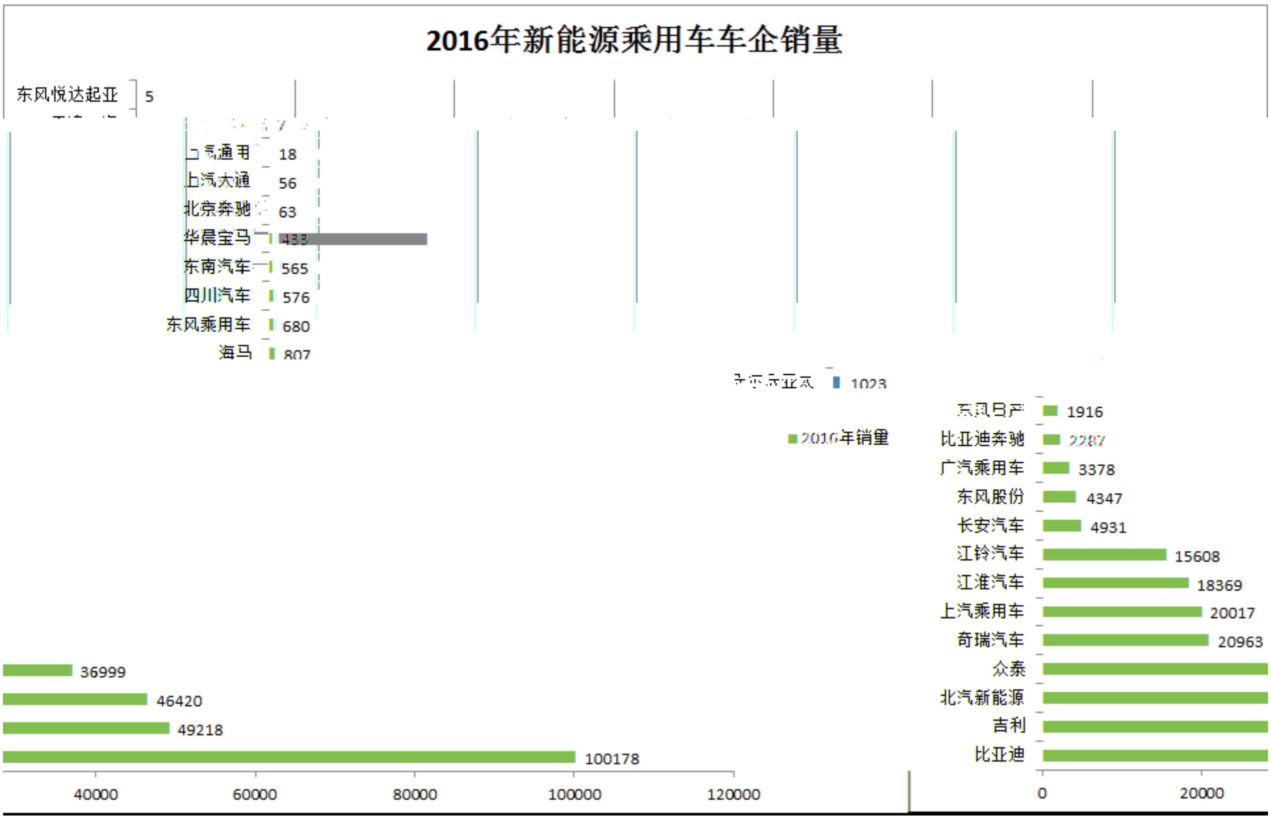



100178 70%

49218 EV

12 6000 16000

16 172% 46420




2016 e6 EU EV

EV 100 eQ

e6 20605

8000 e6 e6

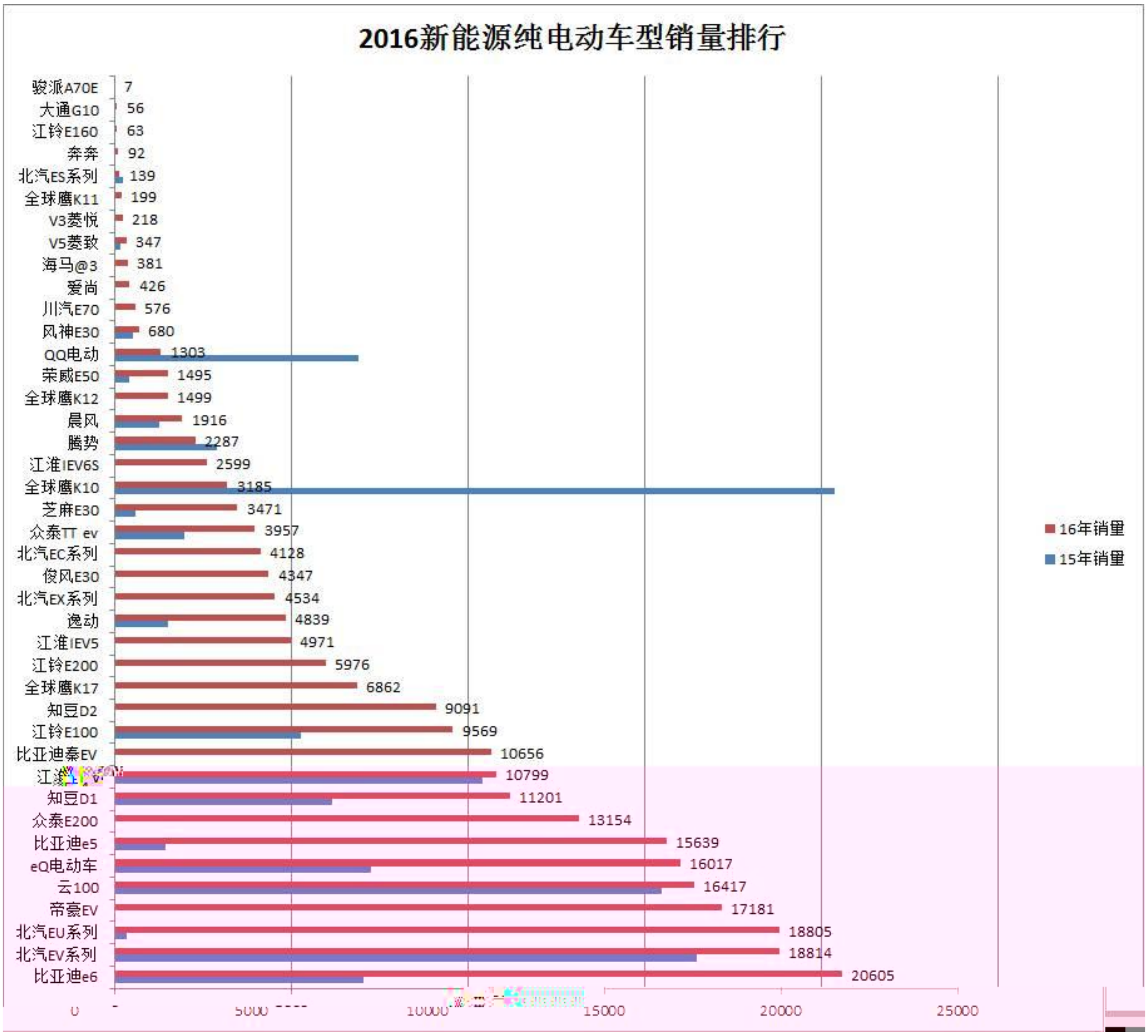
e6

EV 18814 EU 18805

EU 2016

EU

EV 17181 EV 12 6000

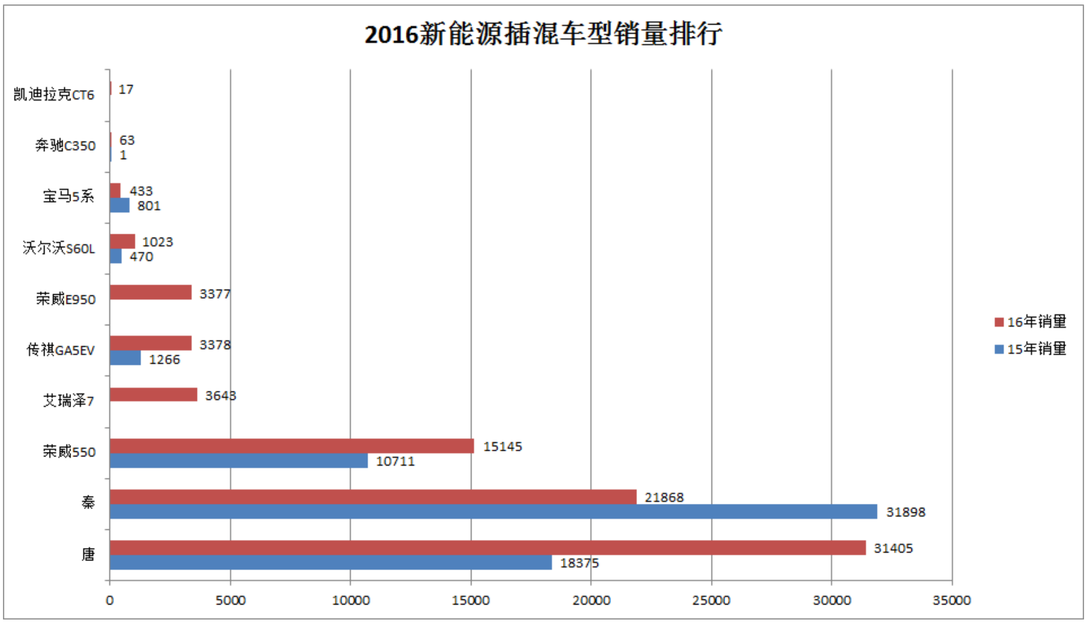



2016 550 7

GA5 PHEV

31405

2016



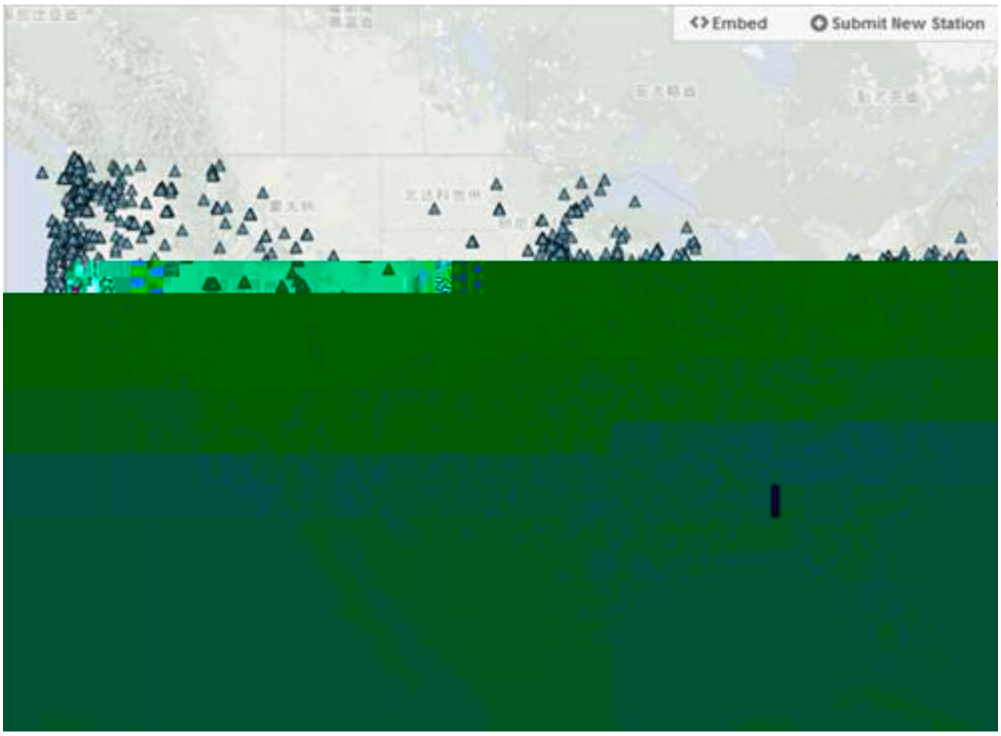

2016 (172%)

(196%) (229%) (202%) (167%)


39

1-11 ( + )

53705 2016




2015 2016 4-5

2016 2015 10 2016 10

22% 1300 3300

2016 11 11716

1/3

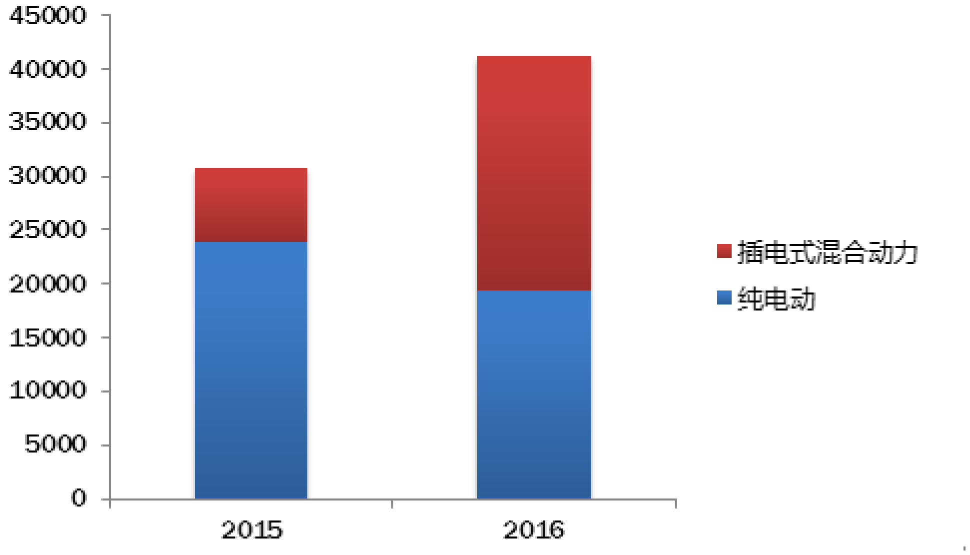
| STATE | Electric (stations/charging outlets) | STATE | Electric (stations/charging outlets) |
|---|---|---|---|
| California | 3,559 / 11,716 | Kansas | 169 / 682 |
| Texas | 871 / 2,114 | Indiana | 161 / 339 |
| Florida | 818 / 1,805 | Vermont | 150 / 367 |
| New York | 725 / 1,481 | Utah | 113 / 272 |
| Washington | 654 / 1,661 | Maine | 101 / 175 |
| Georgia | 524 / 1,416 | Iowa | 97 / 203 |
| Oregon | 473 / 1,147 | District of Columbia | 92 / 214 |
| Massachusetts | 457 / 1,177 | New Hampshire | 77 / 158 |
| Maryland | 431 / 1,031 | Rhode Island | 76 / 200 |
| Illinois | 427 / 938 | Kentucky | 60 / 144 |
| Colorado | 408 / 898 | Alabama | 57 / 122 |
| Arizona | 372 / 930 | Louisiana | 55 / 129 |
| Tennessee | 370 / 902 | New Mexico | 52 / 129 |
| North Carolina | 364 / 816 | Nebraska | 51 / 109 |
| Virginia | 358 / 868 | Idaho | 49 / 112 |
| Michigan | 328 / 875 | Arkansas | 45 / 68 |
| Pennsylvania | 291 / 606 | Oklahoma | 39 / 85 |
| [illegible] | [illegible] | [illegible] | [illegible] |
| | | Totals | [illegible] |

2016

(AVERE) EAFO(European Alternative Fuels Observatory) 2016 ( ) 179991 17% 55% (2016 ) 1.23%

(18804 ) Zoe(18715 ) Leaf(17045 ) i3(13198 ) Model S(11095 )

2016 (1-11 ) 41039




EV Sales 2016 1 11

41039 34% 29.28%

2016 12 10

2025

25%

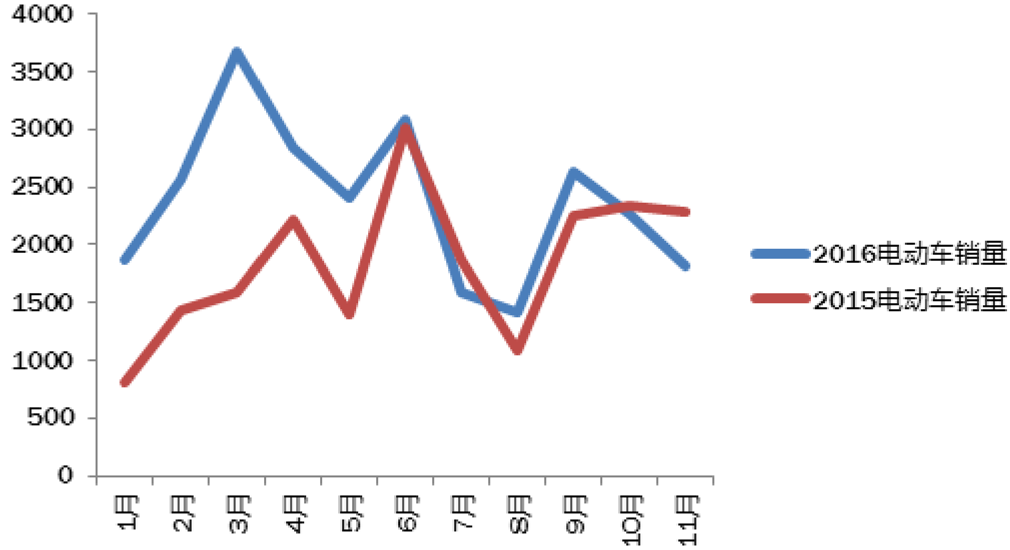
2017

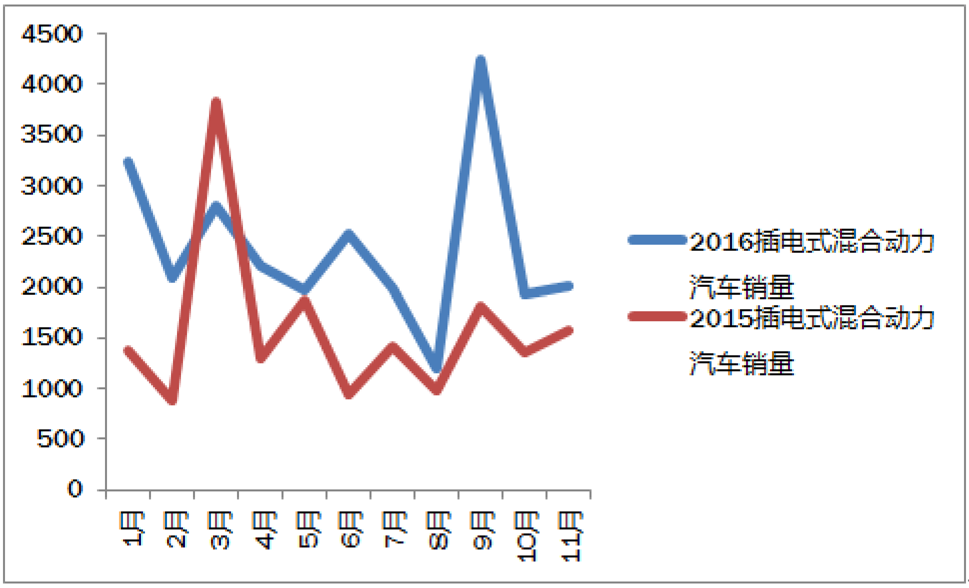
2017 50

2017 e- Zoe Ampera-e Tesla Model

3 4

2016 (1-11 ) 35292




2016

-in grant) 2018 3

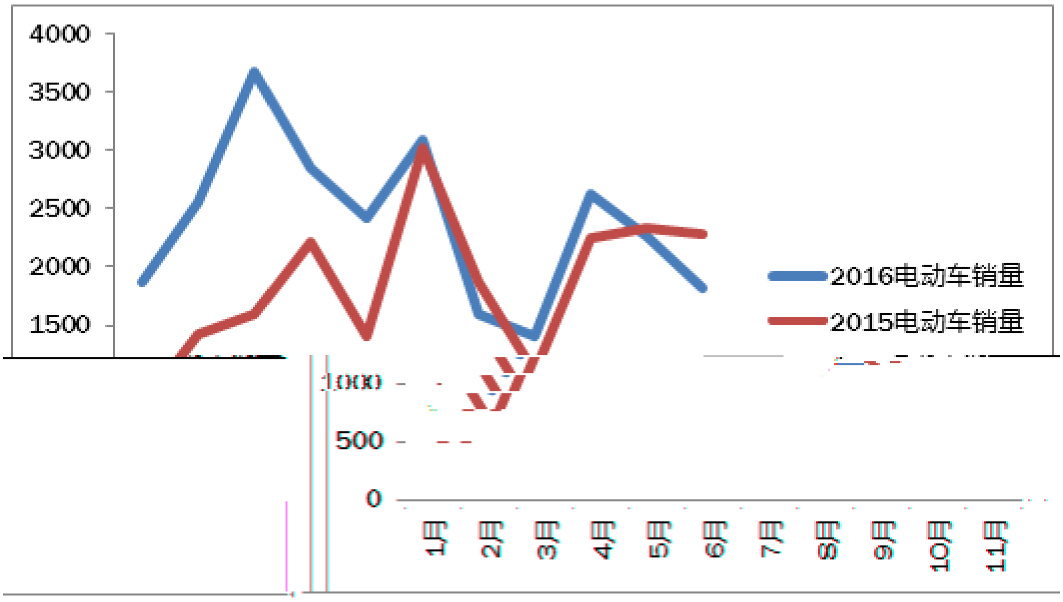
2017

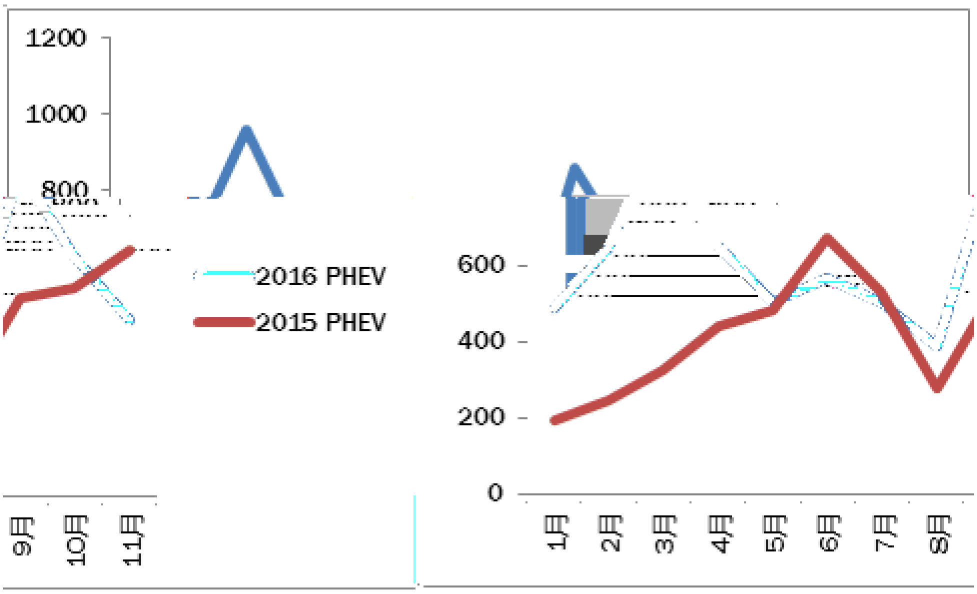
2016 (1-11 ) 26148

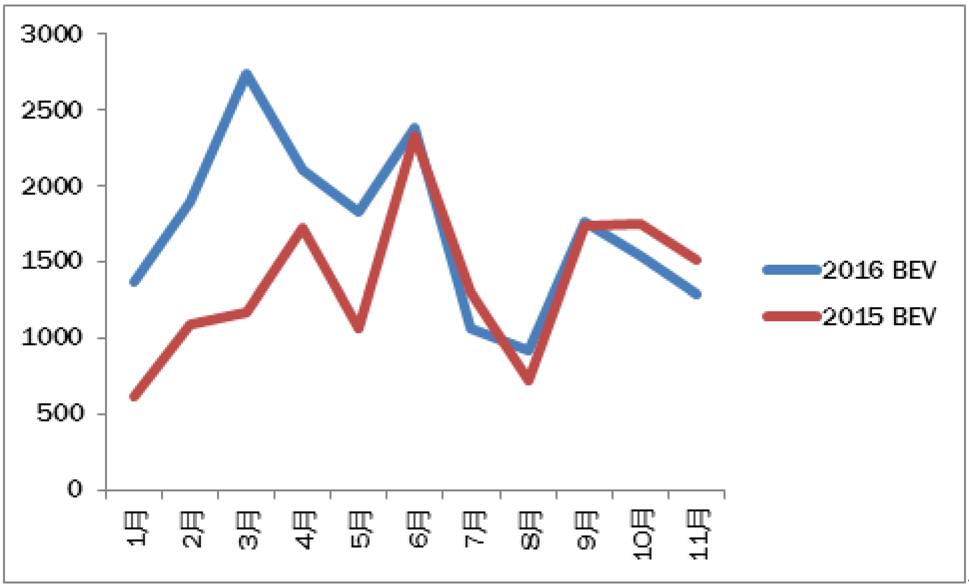
2016 26148 29%

2016 3 8 59%

18923 26%






2017 2016

2017

2020 100

2016 (1-11 ) 22466

2016 1-11 22466 11%

9968 2% 11905

20% 0.74%

2017

2016 3

2030 2019 30

2017

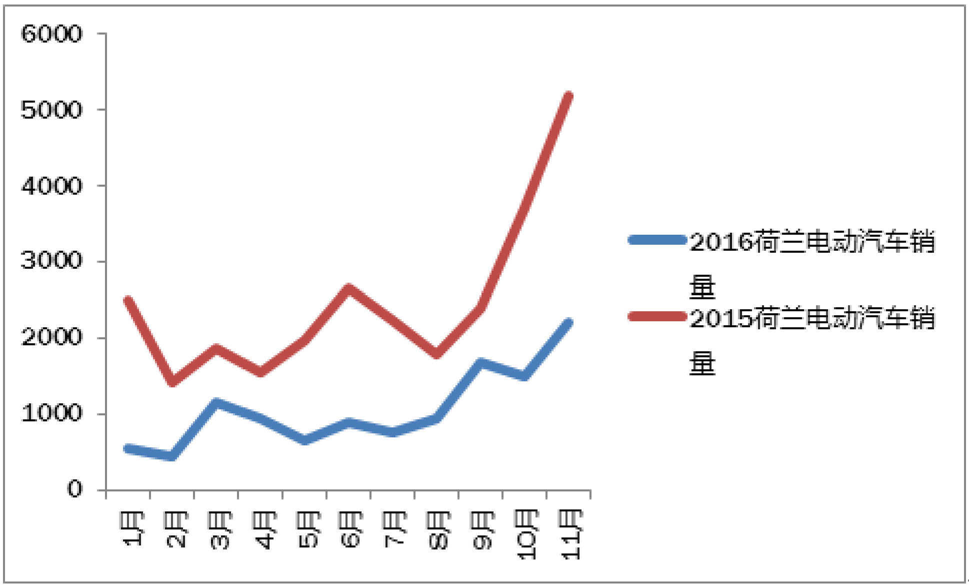
2016 (1-11 ) 11732

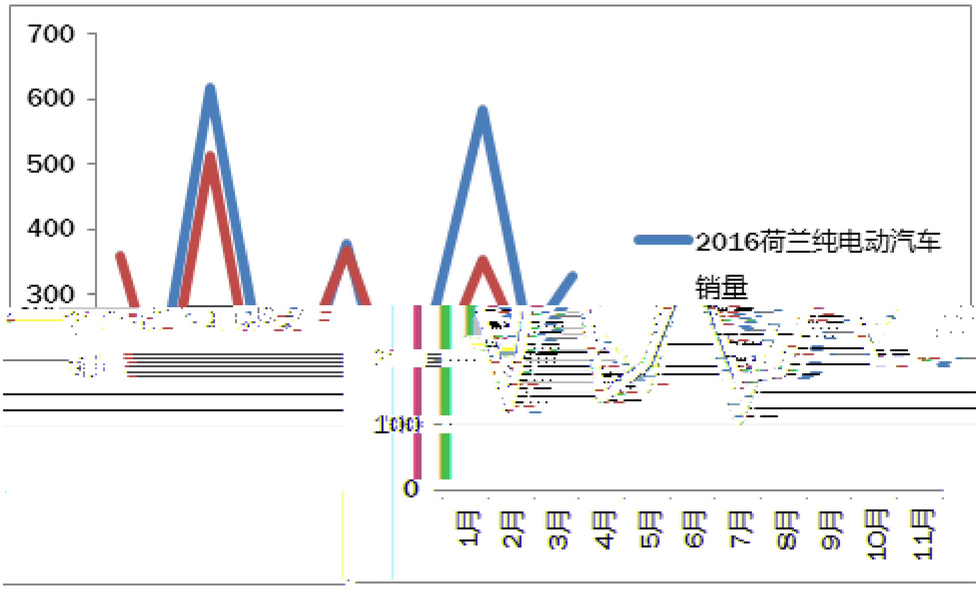
2016 2015 57%

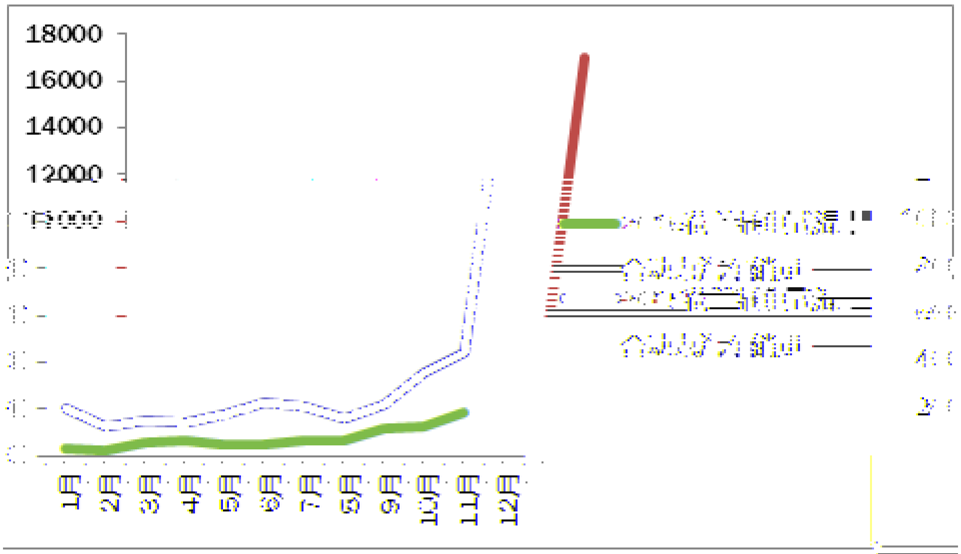
11732 3.38% 6.52%

3369 21% 8362

66%






2016 (

)

2017

http://www.d1ev.com/49415.html

1

21

30%

18

http://news.ehvacr.com/company/2017/0112/100217.html

2

2017 1 9 2016

2012

2

ICT

VOC ICT

RCC 2000

100 500

http://news.ehvacr.com/company/2017/0119/100269.html

3

2016 10 27 2016

PSH

8

15029m2

PSH PSH

http://news.ehvacr.com/company/2016/1102/99742.html

4

2 28

8

http://news.ehvacr.com/company/2017/0301/100481.html

5

3 21 425RT

1600RT

6

50%

15%

50% 0 2016

0.5 3

http://news.ehvacr.com/company/2017/0322/100651.html

## 6 shecco

2017 2 27 shecco

- 2 22

2 24 2 27 300

shecco

10

HFCs 2045

80-85 (HFCs)

GWP

CO2

shecco

Jan Dusek 2017 2 CO2

12,000

CO2

CO2

Hans Ole

CO2

CO2

1 AHR

CO2

CO2

CO2

2,500 CO2

sheeco

http://news.ehvacr.com/company/2017/0228/100474.html

## 7 UL

2017 2 10

UL

UL

SOLAR GMV

SOLAR GMV

UL

UL UNDEWRITER LABORATORIES

UL Brian Ferriol UL UL

CPR Jerry Vega Rivera

SOLAR GMV

90% 2017

SOLAR GMV

42

NET METERRING RULES

37

GMV

http://news.ehvacr.com/company/2017/0217/100400.html

8

DB

46

20 MPV/SUV 20

4.0 90%

2016

120

100

1995

46



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COP R134a

http://cac.chinaiol.com/r/0303/85179361.html

9 ·

2017 3 2 ·

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Helena Hedblom ·

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1500

http://www.compressor.cn/News/scdt/2017/0303/93513.html

10 ·

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2017 1

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· 400-616-9018

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**2017 1**

http://www.compressor.cn/News/hykx/2017/0113/92052.html Top

11

2017 1 5

2016 2017

4

**2017**

1.

2.

4

3. 2017

1000

4

4.

http://www.compressor.cn/News/hykx/2017/0111/91969.html

12

Emeraude-ALE

kW 1

132~160kW

1

2

3 IE3 V IPM

4

5

6 IOT

http://www.compressor.cn/News/hykx/2017/0105/91758.html

13

2017 1 18

JB/T 6430-2014

GB 19153-2009

XLPM150A-IID

6.01kW /(m?/min) 1 6.3 kW /(m?/min)

http://www.compressor.cn/News/hykx/2017/0121/92322.html

14

http://www.51comp.com/news/economy/53489.html

15


“ ”

1 30%

2 III

3

4

5

6


1.

| 股东名称 | 币种 | 出资额（万元） | 出资比例 |
| --- | --- | --- | --- |
| 安徽昊方机电股份有限公司 | 人民币 | 10,000 | 100% |

20

100%

1.

**2017 2 28**

http://www.compressor.cn/News/hykx/2017/0315/93877.html

鲍斯股份
BSC 股票代码：300441
学习 和谐 坚持 专业

我司表示深挚谢意！由于市场的变化，导致我司产品成本不断上升，为了协同双[illegible]

[illegible]

三年"的服务承诺，与您一起携手并进，望相互告知！

关于此次的调价，最终解释权归属鲍斯股份市场管理部，如有任何疑问请随时致电鲍斯股份市场管理部（电话：4001006555）。希望您能理解并继续支持我们！

以下为部分整机产品最新市场指导价：

一、

| 名称 | 型号 | 功率（kw） | 配置 | 市场指导价（RMB） |
|---|---|---|---|---|
| [illegible] | GPF6 | 5.5 | 普通[illegible]级 | 7000 |
| | GPF8 | 7.5 | | 8000 |
| | GLF11 | 11 | | 11000 |
| | GLF15 | 15 | | 11500 |
| | [illegible] | [illegible] | | [illegible] |
| | GLF22 | 22 | | 14500 |
| | GLF30 | 30 | | 20000 |
| | GLF37 | 37 | | 21000 |

二、

| 名称 | 型号 | 功率（kw） | 配置 | 市场指导价（RMB） |
|---|---|---|---|---|
| 节能螺杆压缩机 | GMF8 | 7.5 | 单级永磁变频 | 14500 |
| | GMF11 | 11 | | 18000 |
| | GMF15 | 15 | | 20000 |
| | GMF22 | 22 | | 24000 |
| | GMF30 | 30 | | [illegible] |
| | GMF37 | 37 | | 37000 |

特此通知！

宁波鲍斯能源[illegible]股份有限公司

市场管理部

2017年3月6日

http://www.compressor.cn/News/hykx/2017/0307/93577.html

## 18 Busch

BOE 20

BOE

50

38

"

90%

2018 BOE

10 BOE

2000

BOE

BOE 10 2016

BOE

300

BOE Busch

COBRA DS L/L CVD PVD

2012 BOE Busch

BOE Busch COBRA

  COBRA DS

 

COBRA DS

 

3

( , , , ),

,

10000

45000RPM

( / )

(
)

http://news.lmjx.net/2017/201701/2017011613320647.shtml

21 10 10

2017 10

Arthur Pfeiffer 1890 Wetzlar

1958

2010 adixen Trinos

10

10

510

3

510

CEO 3 510

510

http://www.yuncaijing.com/news/id_8070015.html

## 23 3nm

3nm

300

3

3

N-1

http://www.semi.org.cn/news/news_show.aspx?ID=48679&classid=117

24

29

SEMICON China

29 SEMICON China 2017

1958 ·

1965 ·

18-24

14nm 10nm

1958

IHS 2016 3530

45% 20

20 CPU

14nm

50 10

http://www.semi.org.cn/news/news_show.aspx?ID=48636&classid=117

## 25 MIP

Minimum Import

Price MIP 3 15

MIP

Jetion Solar MIP

MIP

10 MIP

2012 9

2012 11 2013 12 MIP

2017 3 18 2018 9

MIP

MIP 23

http://www.semi.org.cn/pv/news_show.aspx?ID=19223&classid=12

## 26 2

( )

2 2,900

( )

9,800 1.02

--

51 ( )

( )

1 SunEdison Semiconductor FBR

http://www.semi.org.cn/pv/news_show.aspx?ID=19168&classid=12

27

Sweihan

1177 0 0242

Sweihan

25

120

1177

2017 4 2019

9

H E Abdullah Ali Musleh Al Ahbabi

9 Swaihan 350

0 0242

1177

350 MESIA

350

Masdar EDF Energies Nouvelles PAL Group RWE Belectric

Q cells

1177 0 166

0 19 0 13

2017

2017 1 1

0 65

0 75 0 85 2016 0 15 0 13

0 13 13 19

0 42

http://www.semi.org.cn/pv/news_show.aspx?ID=19150&classid=12

28 80 5

5 80

5GW

50

5

80 2.5

2017 6 30 2018

10.2 1.8 5

90

85% 15%

2000

50%

2016 7.5GW 16GW

7

5GW

1GW 2015 11

18 7

1 22 4GW

4GW

2GW

; 2GW

2 3

( )

http://www.semi.org.cn/pv/news_show.aspx?ID=19188&classid=12

29

2016

34.54GW(1GW=100 KW) 4.24GW 2015

200%

500

800 87 3.85

PICC

http://www.semi.org.cn/pv/news_show.aspx?ID=19186&classid=12

## 30 2.45

3 15

5

49% 24500

49.5% 24750

1.5% 750

http://www.d1ev.com/49990.html

## 31 10Gw

3 16

10Gw

http://www.d1ev.com/49990.html

1 ---

2017-01-10

1 CH

2 2010 4

3 2016

4

5

2016 10%

20%

2017

20%

6

7 2017

B2B

8 2017

COP

9

10

11

12

IPO

13

14 10% 20-30% 20%

20-30% 30%

15

16

3

2

2017-01-13

2016

2016

20

20

2016

2016

2016

2016

2020

4.0

3HP 5HP

2007

2012

2016

10

,

20000 500

2017

5

2016

-35

20

3

2017-01-13

1 CH

2 2016

2017 20%

3

4

5

6

7 2017

8

IPO

9

10 EMC

17%

11 2017

12

# 4 ---

2017-01-19

1 2016

2017 20%

2

3 B2B

10

4

2017

5 2017 +ORC

2016

6

7

8

9

5

2017-01-03

A

2014

260 560 2018

1283

10%

26% 38% 95%

A

000811

80% 50%

002158

40%

20% 25%

000530 2013

55%

50%

2006

6 -- : 10%

2016-12-30

2009 1-9 , 2.98 , 10.15%;

5810 , 2.2%; 5253 ,

9.99%; 0.33

2009 7-9 , 1.32 , 7.03%, 31%,

3673 , 45%, 98%,

3298.7 , 58%, 101% 0.21

2009

, ,

09 10 EPS 0.41 0.51 ,

32 26

http://istock.jrj.com.cn/article,yanbao,29902420.html

7 1.67 6.27%

2017-02-14

2 14 002158 2016 1-12

9.74 9.53%

-22.73% 1.67 6.27%

13.18%

97,377.00

9.53% 19,228.25 9.54%

16,653.80 6.27%

3.70% 1.94%

80%

23,572.49

41.19%

http://news.10jqka.com.cn/20170214/c596435096.shtml

## 8 ----Seafarer Capital

2017-02-15

1

10

GHH

12

13 QFII

9

2017-02-07

( ) 11 ( ) 7

4 500MW

2020 ( ) 16

530MW 2020 7000 4000

2000

5%

10 20

2017-02-15

20

20

(002158) (000530) (002011) (000811)

(600619)

## 11 2016 2017

2017-02-20

2016 2016

2017

2016 2016

14.6% 2017

13.7%

TMT 2016 32.6% 2017

| | 2016E | 2017E | 2016E | 2017E |
|---|---|---|---|---|
| | 6.5% | 7.1% | 7.9 | 7.4 |
| | 5.2% | 6.3% | 7.6 | 7.1 |
| | 26.3% | 16.6% | 11.5 | 9.9 |
| | 154.8% | 48.8% | 28.0 | 18.8 |
| | 2379.7 % | 105.2% | 28.8 | 14.0 |
| | 69.7% | 30.7% | 30.2 | 23.1 |
| | 728.7% | 54.5% | 62.1 | 40.2 |
| | 51.7% | 21.6% | 16.6 | 13.6 |
| | 20.3% | 20.0% | 22.8 | 19.0 |
| | 10.3% | 29.1% | 37.4 | 29.0 |
| | 14.7% | 17.2% | 14.2 | 12.1 |
| | 28.4% | 16.8% | 13.5 | 11.5 |

| | | | | |
|---|---|---|---|---|
| | 68.0% | 34.7% | 19.2 | 14.3 |
| | 1.3% | 11.5% | 21.8 | 19.5 |
| | 180.8% | 35.8% | 75.2 | 55.4 |
| | 23.7% | 21.4% | 22.4 | 18.5 |
| | 98.2% | 38.5% | 20.9 | 15.1 |
| | 16.4% | 19.2% | 24.0 | 20.1 |
| | 21.1% | 20.8% | 14.3 | 11.8 |
| | 21.4% | 18.8% | 33.0 | 27.8 |
| TMT | 32.6% | 40.6% | 31.5 | 22.4 |
| | 38.7% | 33.4% | 25.9 | 19.4 |
| | 17.5% | 57.6% | 35.0 | 22.2 |
| | 40.5% | 39.1% | 26.2 | 18.8 |
| | 35.5% | 31.9% | 37.5 | 28.5 |

2016 2017

2016 2017

2016

GDP

300394

300312

000547

3-11

2 30%

1-2

3

12-2 30%

3

16

4

16 10

3

16 30%

17-18 1.95

2.33 PE28.1 23.5

13

2017-02-26

2020 12 31

(000811) (603339) (600708) (000530)

(002158)

(600233) (002468) (002627) (603569)

(000061)

14 002158 ---

2017-02-19

2 15 16 9.74 9.53%

1.67 6.27%

1

9.53%

3-11

2 30%

1-2

3