HANBELL

2018 1 55

www.hanbell.com.cn

emily_huai@hanbell.cn
ir@hanbell.cn

021-51365368

1. 2017
2. 29
3. 2017
4. 2018
5. ?
6. 2019 50%
7. 200 “ ”
8.
9. 2018
10. “ ”
11.
12.
13.
14. 3
15. —— 692472
16.
17.
18.
19.
20.

21. 2020

22.

23.

24. 2020 90%

25.

26.

1.

2. 2017

3. 2017 ——

4. 2017

5.

1. 2017

2. “ ”

3.

4.

5.

6.

7. 51%

8.

9.

10. CO_2 ACP

11. -

12. “ ” — TwisTorr704FS

13. 19.41

14. 3.8

15. “ ”

16. VS.

17. 5000

18. 2017

1.

2.

3. 1 4

4. 2018 672 287 398

5.

6. “ ”

7.

8.

9. 2.43 16.21%

10. 2 6 (002158) 7.41

11. 3 27

1 2017

2017

HCFC

2017 3 11

“

HCFC ”

HCFC

77

HCFC

HCFCs 2018 20% 2020

45% 2020 35%

HCFC R22

R290

R290

2017 4 11

R290

/

2017 7 17

30

9 12

30

2016

“

”

R290

R22

2017 11 3

HCFC-22

HCFC-22

—— R290

2016 HFCs

2017 11 17 20

2019 1 1

2019 HFCs 2036

85%; 2024 HFCs

2029

HFCs

2017 11 23 30

“ ”

“ ” “ ” “

” “ ”

HFCs

R290

IEC

2016 12 IEC60335-2-40 SC61D/WG16

IEC 2017

HFCs

WG16

WG16

IEC

http://news.ehvacr.com/news/2018/0119/103528.html Top↑

2 29

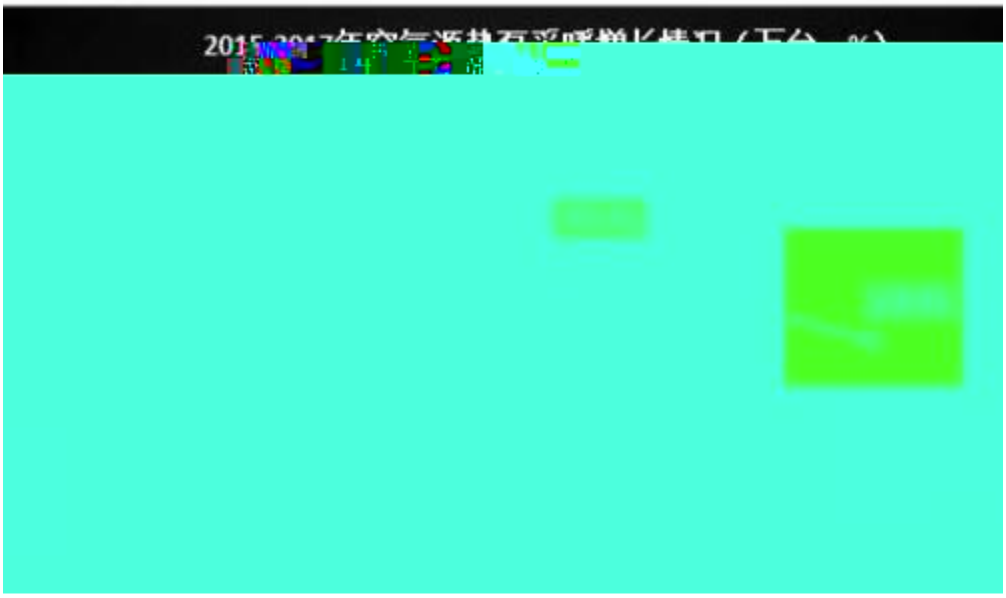
2017

http://news.ehvacr.com/news/2018/0124/103563.html Top↑

3 2017

2017 “ ”

“ ”



2017 55.6 158.2%

79.1 181.8%

90%

50.2 150.8% 60.9 146.8% 10

12 5.4 257.3% 18.2

435.6%

2017 “ ”

2.6

11

9

2017 60.8%

“ ” “ ”

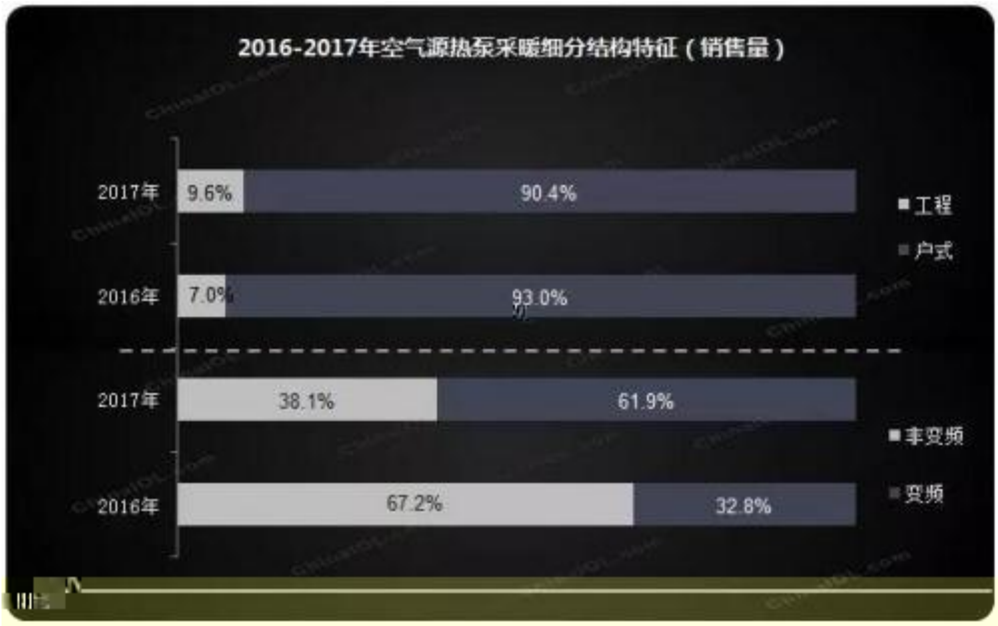
2017 “ ”

2017

“ ”

“

” “ ”



2.4

30.2

2.9

2.5

9.3

2.7 2 2.4

2017 “ ”

9

2017 4.5

5.6

5 1

“ ”

2018

2017-2021 2017 2021

2+26 5

2020 1000

50 “ ” 1 2018-2021 17.8

0.05

2+26

“ ”

2018

http://news.ehvacr.com/news/2018/0131/103621.html Top↑

4 2018

" " 2017

" 2+26 "

" "

" "

1 2017

	清洁取暖目标户数（万户）			清洁取暖完成情况（万户）		
	清洁取暖	煤改气	煤改电	清洁取暖	煤改气	煤改电
河南	93	30	50	115	[illegible]	[illegible]

33 " "

80%

2 3

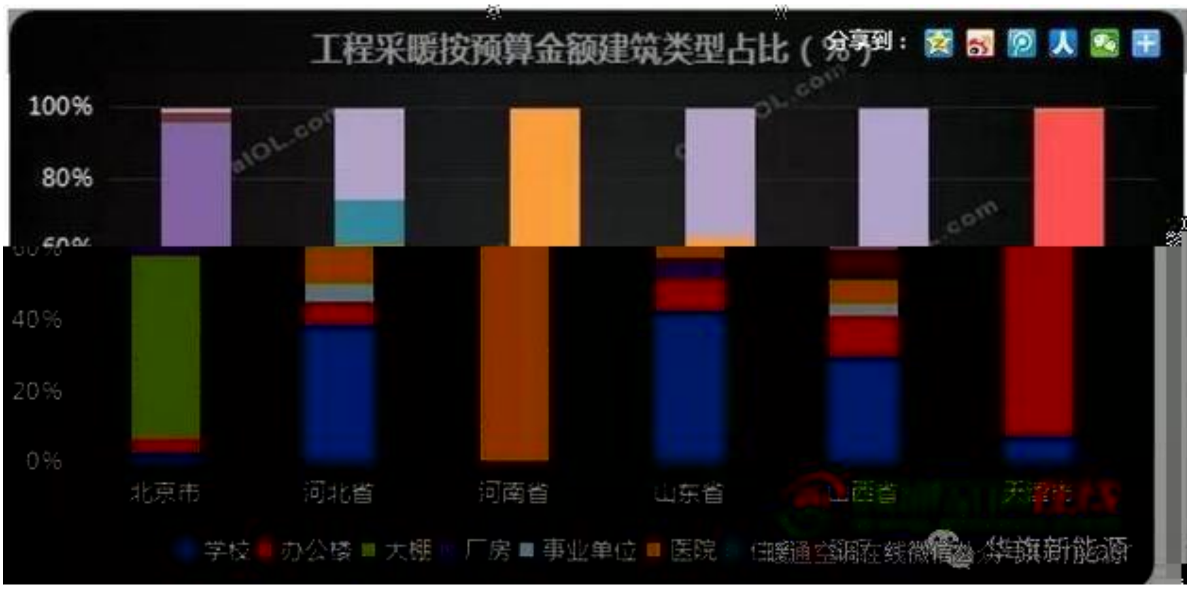
1 2

“ ”

“ ”

90%

94.6 20



2017

“ ”

2 2017 “ ”

省份	空气源热泵采纳率	电采暖采纳率
北京	82.90%	17.10%
天津	77.50%	22.50%
河北	32.30%	67.70%
山西	48.80%	51.20%
山东	10.60%	89.40%
河南	3.10%	96.80%

“ ”

50%

10%

“ ”

“ ”

“ ”

120 “ ”

50

“ ”

“ ” “ ”

“ ” “ ”

2.5 6.942

2.4 3000 7400

2400

5000

“ ”

2.7

2 100 7 “ ”

2017 “ ”

1

6

“ ”

2020 65

“ ”

11.1 6.6

100

24

?

" "

" "

( ) :

;

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;

"

"

"

5~10 "

(LNG)

" "

http://news.ehvacr.com/news/2018/0125/103573.html Top↑

6 2019 50%

24 2017—2021

“ ‘ ’

‘ + ’ ‘ + ’ ”

2019 50%

7400 2021 70% 1.5

5

2016 83%

4 2

http://news.ehvacr.com/news/2018/0129/103583.html Top↑

7 200 “ ”

2017 310.8

25 “ ”

1 4 3080.8

520 85.7%

300

http://news.ehvacr.com/news/2018/0117/103502.html Top↑

8

“ ”

2020

200 25

PPP

http://news.ehvacr.com/news/2018/0122/103536.html Top↑

9 2018

“ ”

“ ”

“ ”

2018 CES

. .

2018

2022 800

2022 800

15.37%

2018

2017 21.6ZB 1 ZB ,

40% 2020 40ZB

“

” Bernd Leukert (IT)

;

AI

2018 454

(2018-2022) 15.37% 805 2018

280 (2018-2022) 27.29%

2018

IT

Hadoop

IT

2018

“ ”

NoSQL

IT “

”

6

“

” “ ”

2020

1

/

Palantir Uber Airbnb 2015

Hadoop Cloudera Intel 7.4 Cloudera

18% Cloudera 41 AppDynamics

IPO 20 APM

IT

http://news.ehvacr.com/news/2018/0207/103672.html Top↑

10 “ ”

“ ” “ ”

“ + ”

CO2

CO2 CO2

CO2

CO2

2017 2016 10%

http://news.ehvacr.com/news/2018/0209/103690.html Top↑

11

“ ”

A

20

0 —1

95%—98%%

12 —13

85%—90%

“ ”

10 -18 5

10 -10 10 ° C-20 ° C

10 ° C — 20 ° C

2

12 3 12

2017 4

“ HELO ” 3

“ ”

http://news.ehvacr.com/news/2018/0223/103719.html Top↑

12

5 5

4.5 10

“ ”

“ ” “ ”……

10

1

2018

http://news.ehvacr.com/news/2018/0209/103695.html Top↑

13

,

“ 75KW 10

5

”

15%

“ ”

http://www.ysjw.cn/news/show-2602.html Top↑

14 3

1 2 " 2017

",

2017 41

2017 41 2664

2674 250 9.3%

5 100% 36

24

2017 12 250 166

7 29

48 3

2017年上半年产品质量国家监督抽查不合格产品生产企业后处理情况汇总表

序号	产品名	企业名称	所在地	产品详细名称	规格型号	产品等级	生产日期/	主要不合格项	承检机构	整改复
52	容积式空气压[illegible]	苏州博世格机械设备有限公司	江苏省	螺杆式空气压缩机	BSG-30AL	合格品	2017-5-17	机组输入比功率、排气压力	国家压缩机制[illegible]	整改复[illegible]
[illegible]	容积式[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	机组输入比功[illegible]	国家压缩机制[illegible]	整改复[illegible]

http://www.ysjw.cn/news/show-2584.html Top↑

15 —— 692472

—— 2018 1 23

“ ” 692472

!

2018

“ ” “

”

http://www.ysjw.cn/news/show-2645.html Top↑

12 31

2018 1 1

2018

2017 3 2018

1 1 2018 1 1 1 1

1997 37

3

1999 791

2017

2017 12 31 12 31 2018

6 30 6 30

2015 51 3

< > 2012 83

2018 7 1

2017

2017

2012

2017 2012

2017

2017

2018 1 1

2015 51 1 2 3

http://www.ysjw.cn/news/show-2656.html Top↑

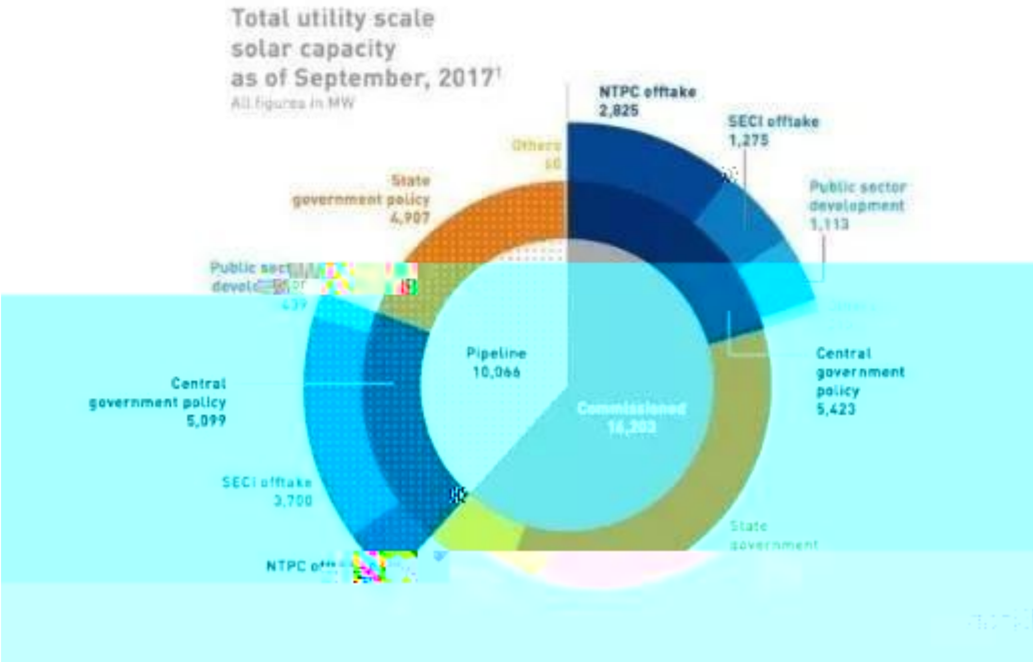
17

“ ”

“ ” “ ”

70

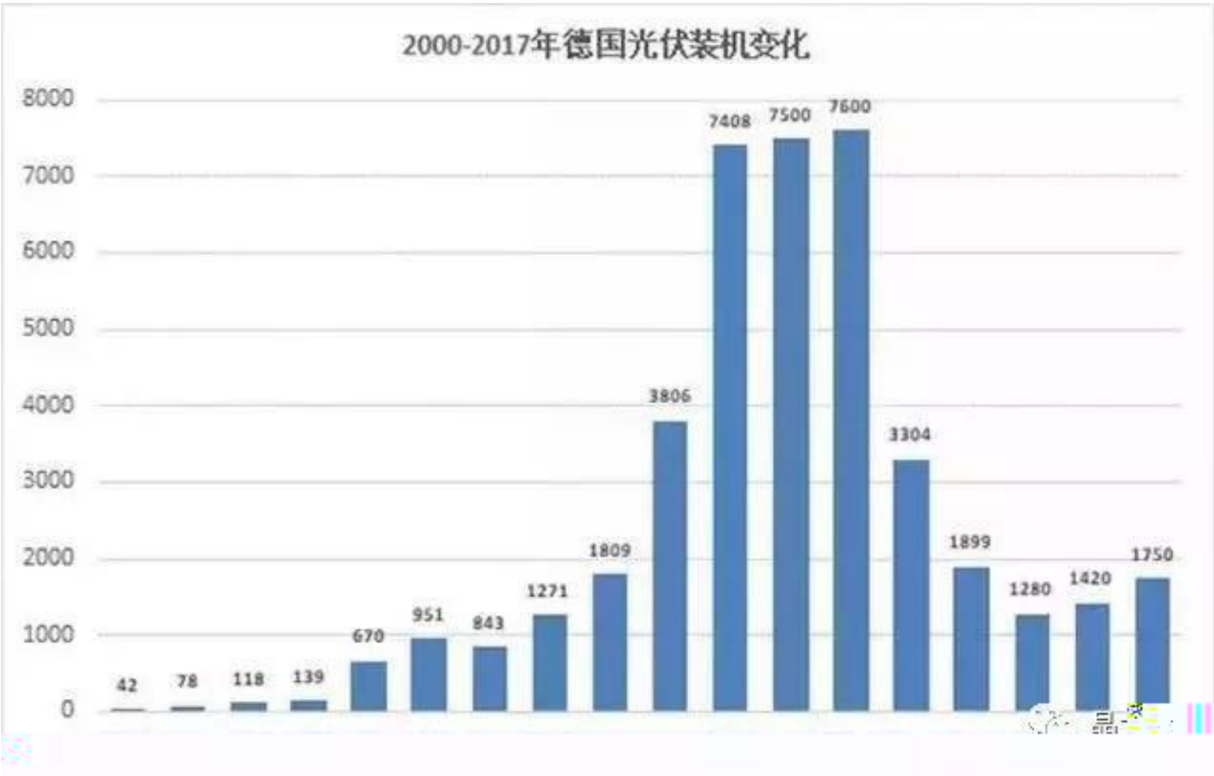
20GW



53GW

2018

2017 53 20



2016 700

2017 800

2017 1000

500

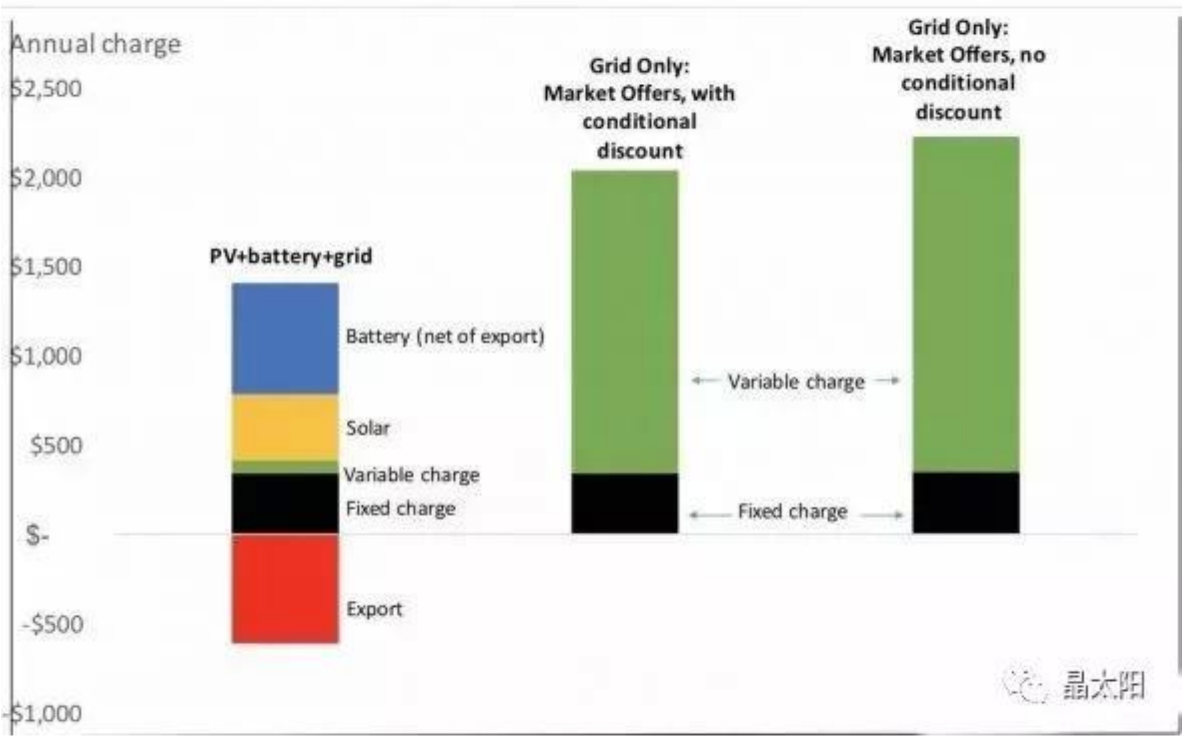
0 424

0 464

5 5500 20

Tesla Powerwall 2 13 5 2018 11

075 0 16



“ ”

http://solar.ofweek.com/2018-03/ART-8420-2600-30206872.html Top↑

18

2017 6 “

” Jupiter Dhruv Sharma

33 45

“ ” Dhruv Sharma

25

2017 11 33

90 2016 4 0 53 10

0 34

2016

4 2017 6

Sharma

“ ”

http://solar.ofweek.com/2018-03/ART-260006-8440-30207282.html Top↑

19

2016

——2017

“ 2016 2017 6 30 FIT

” “ —— 7 12GW

”

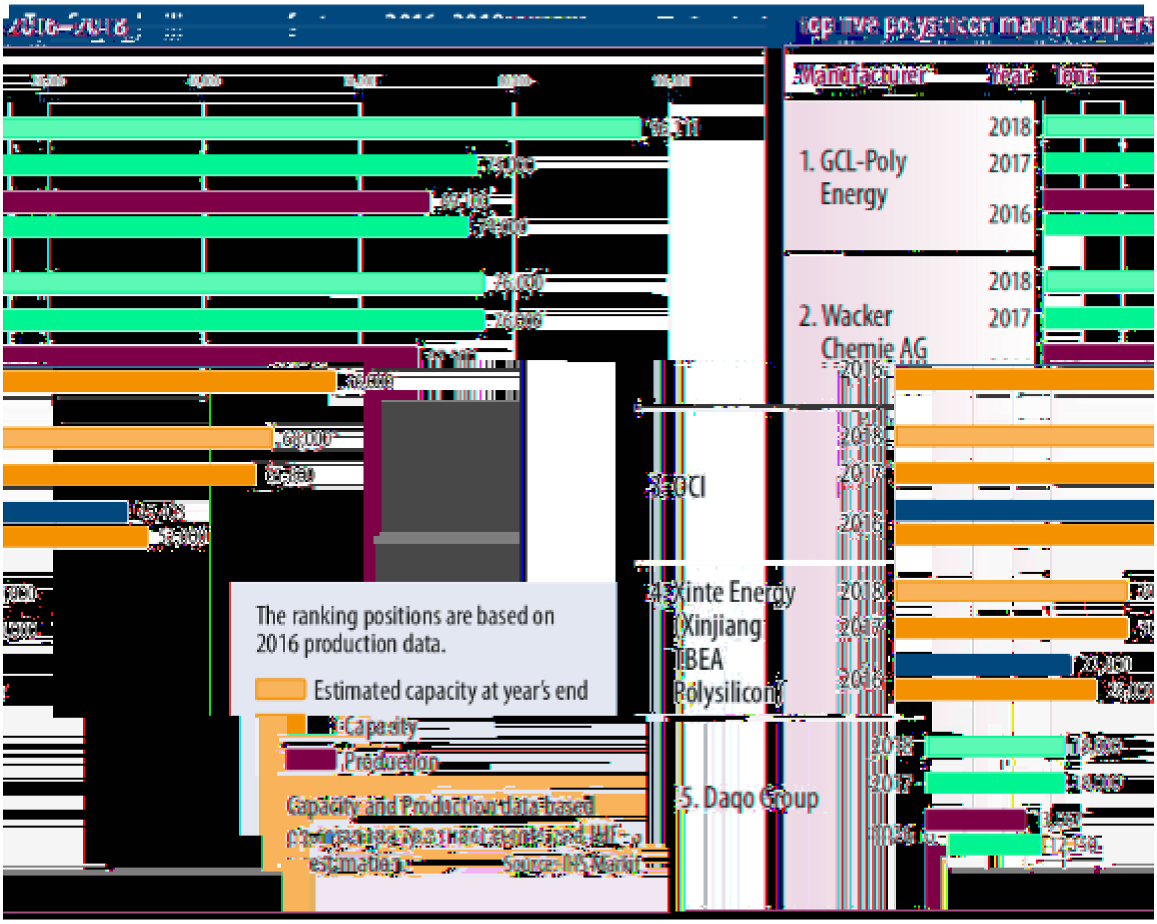
2017

2016

2017

IHS Markit 2017 54

2016 2017



2016 OCI

Bernreuter Research 2016

23 2017 32 2018

45

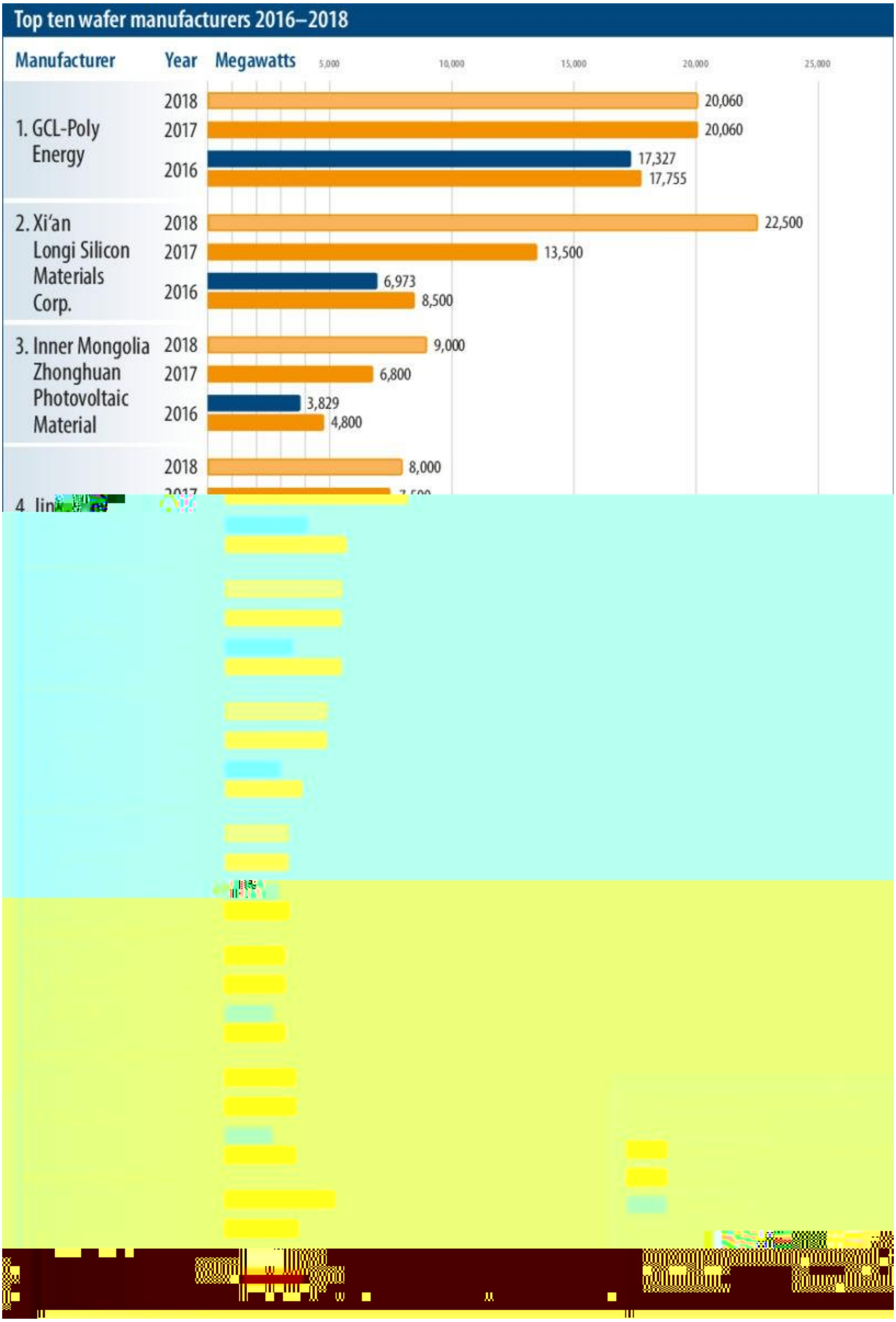
“ ” Bernreuter “

”

Bernreuter Research

2017 15 9 45

30 11


Top ten wafer manufacturers 2016–2018
Manufacturer
Year
Megawatts
5,000
10,000
15,000
20,000
25,000
1. GCL-Poly Energy
2018
2017
2016
20,060
20,060
17,327
17,755
2. Xi'an Longi Silicon Materials Corp.
2018
2017
2016
22,500
13,500
6,973
8,500
3. Inner Mongolia Zhonghuan Photovoltaic Material
2018
2017
2016
9,000
6,800
3,829
4,800
2018
8,000

2016

11

OCI 4 4 9 5

8 9

“

”

2020 45

Longi Corrine Lin 2018

44 5 GW 73 GW 2018

95 105 40

2018

2018 2017

110

20

2018

2018

2009 2011

2012 ——

2013 7

2013 10 2015

2015

30

20

1

3000 2 1000 3 1000 4

5000 5 200MWp 6

200MWp 7 50MWp 8

2020 45GW 300118 80

20

“

”

“ ”

http://solar.ofweek.com/2018-03/ART-260006-8470-30206116.html Top↑

21 2020

4 2020

2020 600

90

“ 0 17 0 23

50 60 ”

http://solar.ofweek.com/2018-03/ART-260006-8420-30206599.html Top↑

22

20

“ ”

“ ”

3 20 GLENCORE

· Ivan Glasenberg

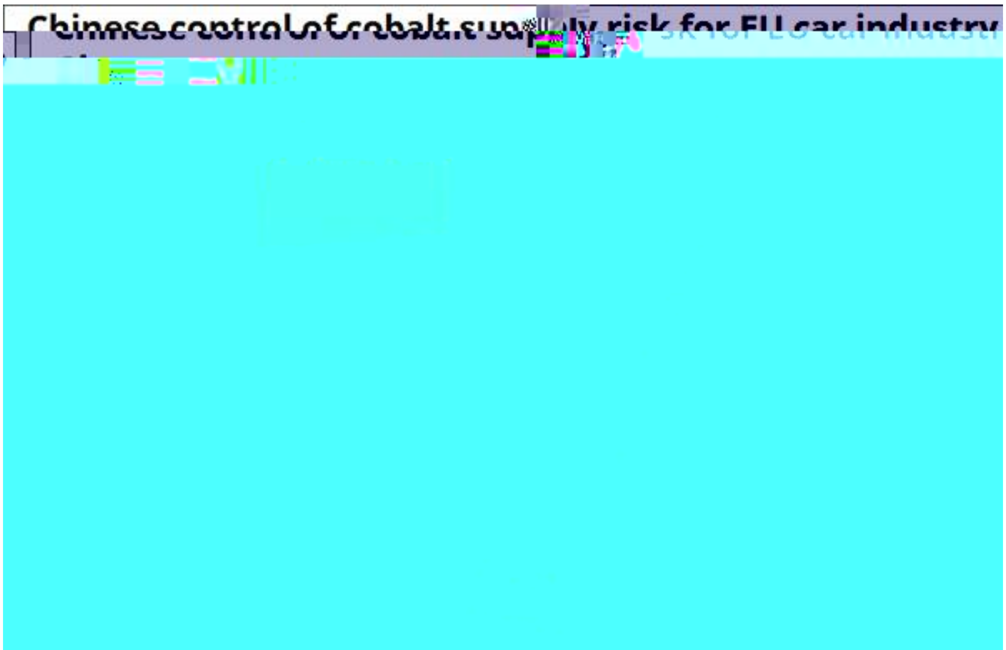
“ ”

60

67

“

…… ”

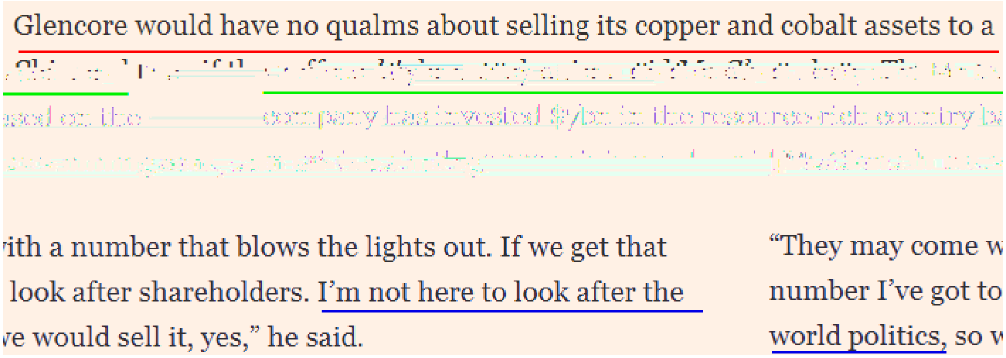


2008

10 iPhone 1000

70

“ ”



Glencore would have no qualms about selling its copper and cobalt assets to a

ith a number that blows the lights out. If we get that
look after shareholders. I'm not here to look after the
ve would sell it, yes," he said.

“They may come w
number I've got to
world politics, so w

“

”

20

17

HVO

51 49

Hail Creek coal mine in Australia. © Rio Tinto 力拓在澳大利亚的煤矿

“ ”

http://libattery.ofweek.com/2018-03/ART-36001-8440-30212452.html Top↑

23

22 3

LG

60

“ ”

http://libattery.ofweek.com/2018-03/ART-36008-8440-30212293.html Top↑

24 2020 90%

20

“

”

“

”

“ ” 2020

90

http://libattery.ofweek.com/2018-03/ART-36008-8470-30211867.html Top↑

25

……

2018 2

“

”

“ ”

2018 2 14

2018 2 27 “ 2017 ” “

” “ ”

2007

2 11

18 “ ”

http://nev.ofweek.com/2018-03/ART-71001-8420-30212132.html Top↑

1

1

2008

2008 850 2017 3609.5598

325%

2

2006 2016 11 1.62 8.25

409% 2016 1 2014

19%

3

2016

1 1/5

4 “ ” “ ”

” “ ”

5

86%

6

71.8% 12.7%

10.5%

70.3% 21.6% 8.1%

69.4%, 29.7% 0.9%

7

“ ” “ ” “

” “ ” “ ” “ ” “

” “ ” “ ” “ ” “ ” “

” “ ” “ ” “ ”

“ ” “ ” “ ” “ ”

“ ” “ ” “ ” “ ” “ ” “

” “ ” “ ” “ ” “

” “ ” “ ”

8

30 1137

31% 753 384 30

249 52 645 197

493

9

4200 1400

10

11

3.2-3.5 / /

2.2-2.8 / /

4-4.5 / /

3-3.5 / /

20%-30%

8%-10%

12

150

kwh 30-50kwh/m3/a

“ ”

13 CO2

CO2 150 450

12.46%

“ ” 15-20% 2020

5000

“ ”

http://news.ehvacr.com/news/2018/0223/103720.html Top↑

2 2017

2017

2017 24 2 24 7

87GW 34 3 68GW 33 3 76GW

31 7 50

P

20 5 18 8 PERC

21 3 19 2

70KWh kg

6 2

5 0 5 0 7

45 8 37 34 21 8 33 54

50

2017 1 11 131 1

1 4 14 4 17 3

2018

2018

SHJ

PERC N

“ ”

“ ”

2025

2018 2020 NB IOT

“ ” “ ” “ ”

http://solar.ofweek.com/2018-02/ART-260006-8420-30201305.html Top↑

3 2017

2017

160

160 61% “

” 2017 2017

“ ”

图2 部分品牌内销情况示意图（排名不分先后）

“ ”

2017

2016

20

5-10 2-5 1-2

1

10-20

2017

25.2% 5

2017

A.O.

2017 2

A.O.

2017

A.O.

2017

2017

2017

2017

“ ”

“ ”

“ 2017 ”

“ ”

2018 2017-2018

“ ”

“ ”

2017

http://hp.hvacrhome.com/news/show.php?itemid=21904 Top↑

4 2017

2016 535.7% 2017 209.8%

2017 2016

2016 2017

2016 2017

PPP

3.1

“ ”

2016

/ 2016 /

3:7 2017 3P/5P/6P

/ /

2016

2017

2016 2017

5

-35 “ ”

2018

http://hp.hvacrhome.com/news/show.php?itemid=21908 Top↑

5

— —

—

2035

10 15 2050 12 3

14 4 8800 10300

2050

2050 2030

28 7 36 3 2050 44 3

57 5 2030

15 4 21 7 2050 35 1 46 9

“ ”

2050 50

40

2030 2050 3 5

“ ”

2030

2030 2050

2050

—

— —

2050

4 5

2050 2 1

3 7

2030 2050 3

— — —

2025

42 2050 14 30

2030 400 363

2050 114 96

http://solar.ofweek.com/2018-02/ART-260006-8440-30204707.html Top↑

1 2017

2017 12 31 34

5021.7 , 33 868.9

34 21 62%

2017

69 19 27.5%

2017

2016

2017

AHRI

2004 2014 12 30 4

2017 12 5

10

5 17

97 9

10 34.3 18

71 1100

5

49.018km

41 36 5 14

2017 5 MDVS

IPLV C

9.60 APF 5.30

5

4 56 35

2017

4

4 --MDVX

51 4000KW

7 7 2018

MC 2000

35.2km

29 4 3

2017 4

2000 4

9 11

2017

20

A 3 3 8

20 2

20 8.36 5 4 1 3

800

R1 26.27km 11 2017

R1 R1

MDVS

R1

“ L”

37.2

23 11 2018 12

2017 59 35

500 23

3 25.86 15

2014 12 23 2019

8.02km 5 1 1.566km

2017 3

900

2

41.6km 32

2017 2

3300

5

4 ”

“ 44.1KM 34 1.32KM

2017 5

1600

2017

2017 60 650

300 50%

2017

http://cac.chinaiol.com/s/0226/41192682.html Top↑

2 “ ”

2017 “ ”

“ ”

“ ”

.

!

:

( ) 1953

50

“ ”

http://ln.ifeng.com/a/20180315/6436468_0.shtml Top↑

3

3 13 (000651)

9

6 6 2 6

105

2014 3

2014 3 5 6 7 8

49 131.53

16.16

2014 8 12 0 17.69

犯罪人	犯罪类型	一审判决（有期徒刑+被没收金额）	二审判决
方某	职务侵占罪	7 年+15 万	减刑半年
陈某	职务侵占罪	4 年半+10 万	维持
莫某（原格力电器职员）	职务侵占罪	4 年半+10 万	减刑半年
田某（原格力电器职员）	职务侵占罪	5 年半+8 万	减刑半年
吴某（原格力电器职员）	职务侵占罪	5 年半+8 万	减刑半年
黄某（原格力电器职员）	职务侵占罪	5 年半+8 万	减刑半年
申某	职务侵占罪	4 年+5 万	减刑半年
李某（原格力电器职员）	职务侵占罪	4 年+3 万	减刑 9 个月
严某（原格力电器职员）	职务侵占罪	4 年+5 万	减刑半年
颜某（原格力电器职员）	职务侵占罪	4 年+5 万	减刑半年
王某（原格力电器职员）	职务侵占罪	4 年+5 万	减刑半年
向某（原格力电器职员）	职务侵占罪	4 年+5 万	减刑半年
曾某	职务侵占罪	3 年+3 万	减刑半年
[illegible]	[illegible]	3 年（附 缓刑 4 年）+10 万	维持
[illegible]	[illegible]	3 年（附 缓刑 4 年）[illegible]	维持
合		被告人曾某等人合计退赃款人民币 16.16 万元，由扣押机关返还珠海格力电器股份有限公司	维持

http://finance.ifeng.com/a/20180313/16025691_0.shtml Top↑

4

2018 2 -

9000KW

2017 4 1

10 9

9.96 24.24 8

“ ” “

” “ ”

60

http://cac.chinaiol.com/s/0227/52192725.html Top↑

5

2 22

2018 3 7

+2

http://it.enorth.com.cn/system/2018/02/06/035002705.shtml Top↑

7 51%

51%

3:3

2018 01 01

22

45 56

“ ”

http://www.ysjw.cn/news/show-2554.html Top↑

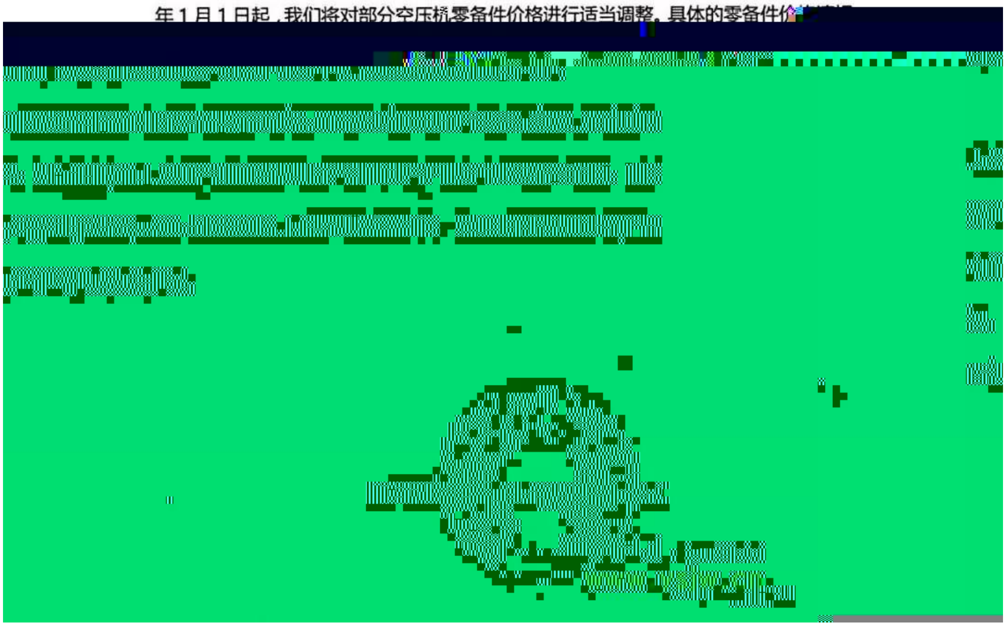
8

Atlas Copco

阿特拉斯·科普柯零备件价格调整通知

尊敬的阿特拉斯·科普柯空压机用户：

非常感谢您长期以来对我公司的支持与信任！2017 年至今，包括原油、煤炭，金属等在内的大宗工业原材料等，同比涨幅都很高，且有持续上涨势头。国内企业生存环境承受了原材料价格上涨、劳动力价格上升、运输成本增加等多重挤压，我们公司也不例外。为了保证产品质量， 更好的服务客户，基于对市场定价合理性的分析。从 2018 年 1 月 1 日起，我们将对部分空压机零备件价格进行适当调整。具体的零备件价



http://www.ysjw.cn/news/show-2609.html Top↑

9

SİS ENERJ

http://www.ysjw.cn/news/show-2684.html Top↑

10 CO2 ACP

2 22 CO2 ACP Europe SA ACP CO2

Air Products Ivo Bols “ ACP ACP ACP ACP ”

Air Products 13 ACP

“ACP Jan De Ridder

ACP 120 4

http://www.ysjw.cn/news/show-2670.html Top↑

11 -

2016 7 —

http://www.ysjw.cn/news/show-2621.html Top↑

12 “ ”— TwisTorr704FS

TwisTorr 704FS

“ ” TwisTorr 704 FS

0.0001Pa 0.00001Pa

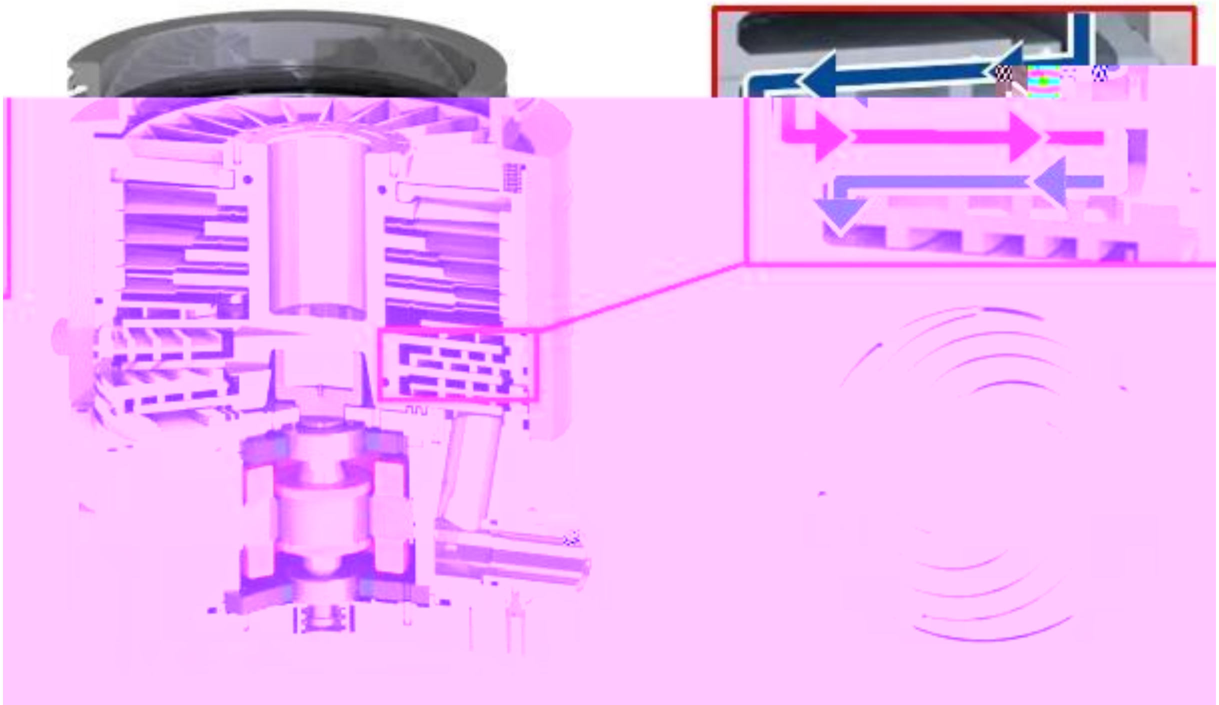
0.00000001Pa

GC/MS LC/MS ICP/MS TOF…

SEM TEM FIB

“ ” “ ”

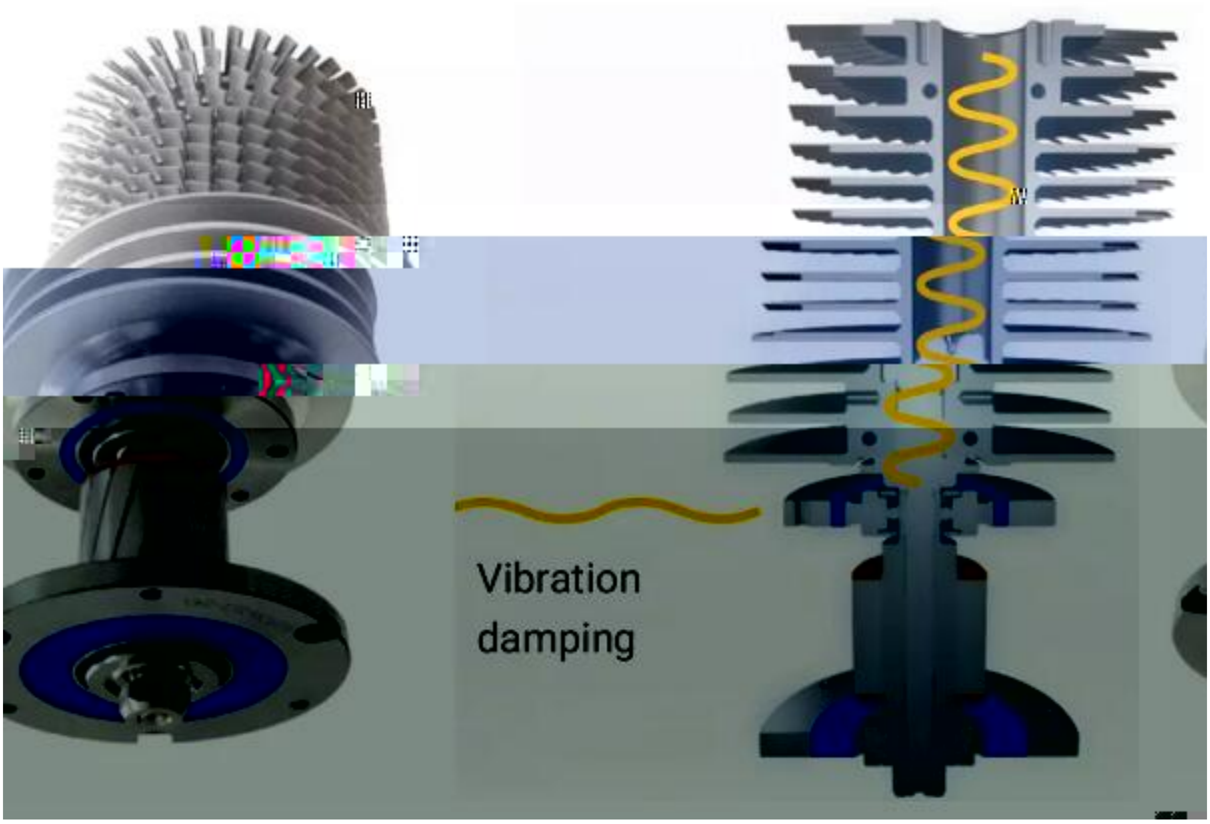
“ ” No.1 TwisTorr



TwisTorr

“ ” No.2 AFS

AFS



“ ” No.3

TwisTorr 704 FS

“ ” No.4 “3D”

2D

704FS

3D

704FS 804FS 404FS 84FS 304FS

http://www.chinesevacuum.com/article-399-1.html Top↑

13 19.41

2 5

1GW 1GW 19 41

“ ”

LERRI SOLAR TECHNOLOGY INDIA PRIVATE LIMITED

2019 8 2019

2020 1

5GW 15 58

2017

45 2017 33 36

113 133

5 “ ”

PERC

2018 28GW 2019 36GW 2020

45GW 2017 6 5GW 5GW

10GW “ ”

http://solar.ofweek.com/2018-02/ART-260008-8460-30197764.html Top↑

14 3.8

2018

—— 37935

20 20 7

2 1 “

”

6

1200 2017

2018

“

…… ”

2017 3

173 “ ”

“ ” 1600

3000 40

3000

“

”

“ ”

2016 10 17

70 250

2017 6 30

548 798 “ ”

492 2018 6 30

1290 “ ”

http://solar.ofweek.com/2018-02/ART-260009-8400-30200121.html Top↑

15 “ ”

“ ”

2025

208 53 22 4

EHS

“ ,

” CEO

“

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http://solar.ofweek.com/2018-02/ART-260006-8460-30204443.html Top↑

16 VS.

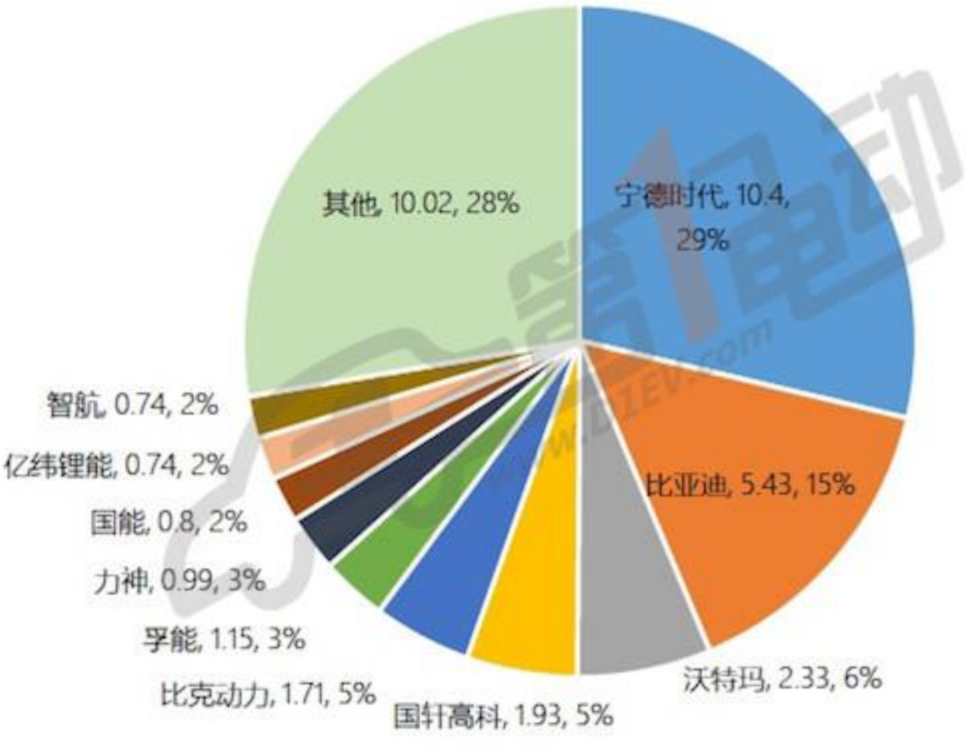
2017 4

“ ”

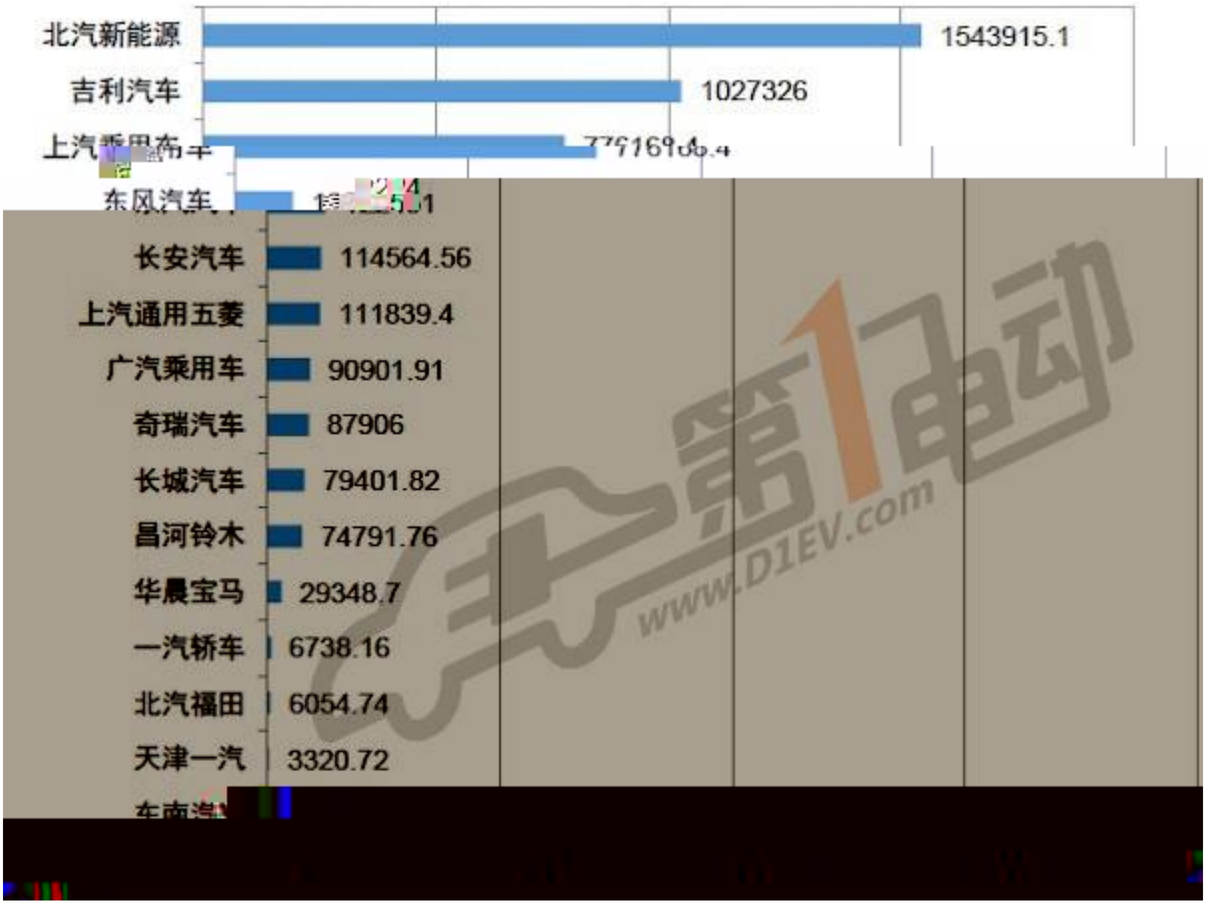
4

2017

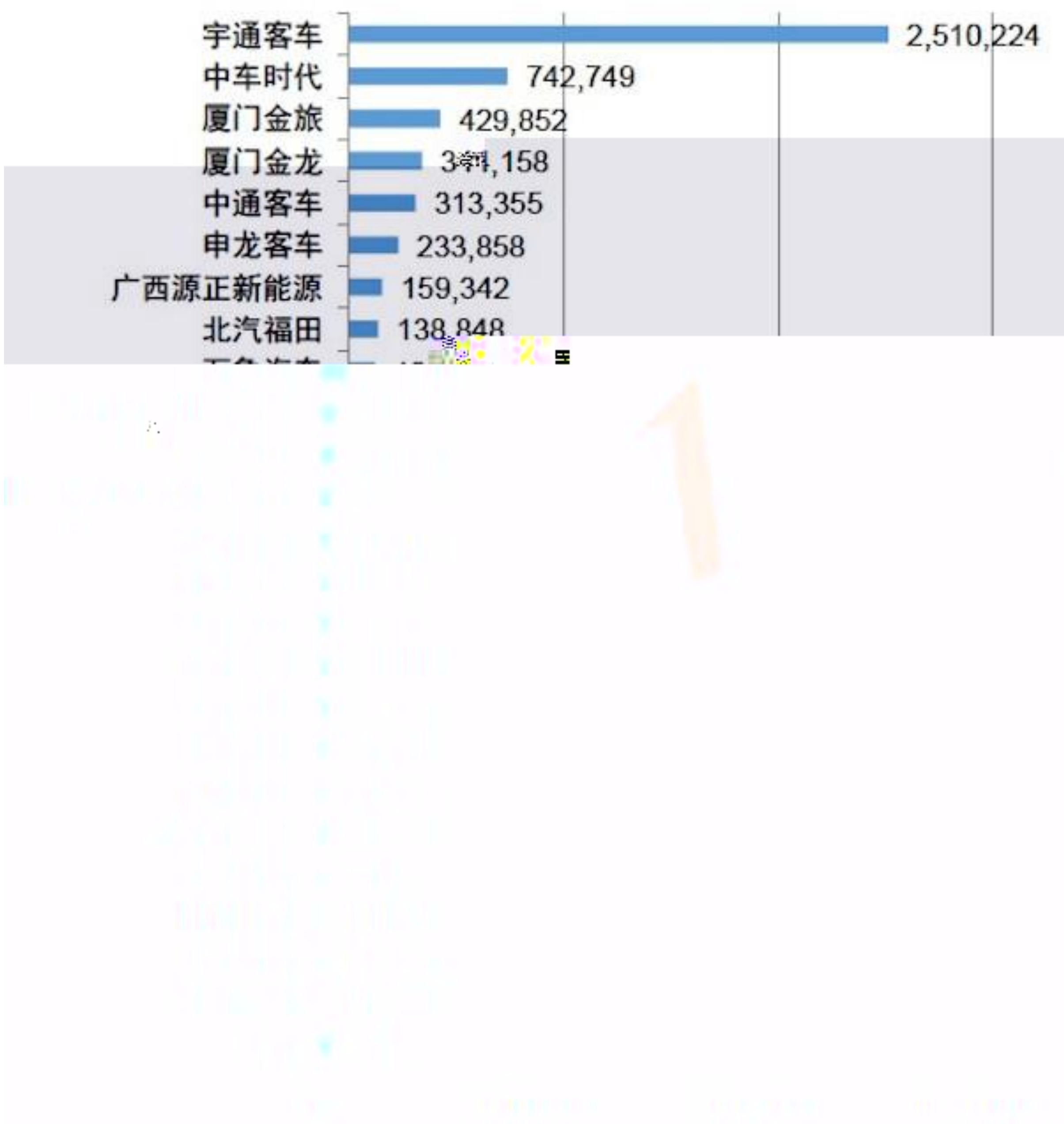
44


其他, 10.02, 28%
宁德时代, 10.4, 29%
比亚迪, 5.43, 15%
沃特玛, 2.33, 6%
国轩高科, 1.93, 5%
比克动力, 1.71, 5%
孚能, 1.15, 3%
力神, 0.99, 3%
国能, 0.8, 2%
亿纬锂能, 0.74, 2%
智航, 0.74, 2%

2017 GWh


北汽新能源
1543915.1
吉利汽车
1027326
东风汽车
长安汽车
114564.56
上汽通用五菱
111839.4
广汽乘用车
90901.91
奇瑞汽车
87906
长城汽车
79401.82
昌河铃木
74791.76
华晨宝马
29348.7
一汽轿车
6738.16
北汽福田
6054.74
天津一汽
3320.72
www.D1EV.com

2017



2017

2017

“ “

2017

2017

2017 17 09GWh

24GWh 41 09 GWh

“ ” 89 2

36 2020

16GWh 9GWh

7GWh 18GWh

2019 34GWh 9GWh

25GWh

2019

23 3

2017

8GWh

2017 190 210Wh kg 2018

210 230Wh kg 2018 220Wh

kg

260Wh kg 300Wh kg

2025

GGII 2017 2017 20

25 1 8 1 9 Wh 1 45 1 55

Wh 1 7 1 8 Wh 1 4 1 5

Wh

2017 1 41 Wh

0 91 Wh 35 25

“

”

“

”

2020 1 Wh

1 Wh 0 8

Wh

AOE

VS

2017

2017 4 4

2020 60 40KWh

ERX5 48KWh 60 24GW

6

1 312

车企	车型	产品类型	动力电池供应商	电池类型
比亚迪	秦	PHEV	比亚迪	方形铝壳
	唐			
	宋			
	E5/E6			
	腾势			
北汽	EV160	BEV	国轩高科	方形铝壳
	EV[illegible]		CATL	
	EU260			
	EX260		孚能	
	EC180			
	EC180		国轩高科	
江淮	IEV4		国轩高科	方形铝壳
	IEV5		力神	圆柱形
	IEV6S			
众泰	E200	BEV	比克/天鹏	圆柱形
	[illegible]		[illegible]	[illegible]

“

”

5

4

CEO

“

2019 ”

2019 2018

2017

2017 140

http://libattery.ofweek.com/2018-03/ART-36001-8420-30212396.html Top↑

17 5000

3 1 2 28

5000

“ ”

1

5000 50

http://libattery.ofweek.com/2018-03/ART-36002-8460-30205547.html Top↑

18 2017

2 26 2017

2017

单位：亿元

企业名称	营业收入	同比增幅	净利润	同比增幅
赢合科技	15.91	87.13%	2.19	76.64%
金银河	4.89	67.36%	0.47	8.13%
先导智能	21.77	101.75%	5.38	84.93%
星云股份	3.09	36.45%	0.67	31.14%

2017

2017

2017

100

2017

2017

http://libattery.ofweek.com/2018-02/ART-36005-8420-30204434.html Top↑

1

2018-01-03

2

12

Top↑

2

2018-01-03

60

2017 IPO 77.87% “ ” 2017

488 380 IPO 77.87%

2018 “ ”

“ ” 2018 2017 438

A A ف

IPO “ ”

IPO “ ” 2016 2015 2014

IPO 91.14% 92.28% 89.34% 2017 IPO 79.33%

“

”

60

2

3450 200

8 3 2

Top↑

3 1 4

2018-01-04

8

“

”

…… Top↑

4 2018 672 287 398

2018-01-07

1 5 2018 1483

672 287

398 7 119

2018

2017 450

( ) (2017

86)

2018

2018

2017 12 29

2018

HANBELL

……

220 ( )

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

…… Top↑

2020

- -

PPP

http://www.cs.com.cn/sylm/jsbd/201801/t20180108_5658461.html Top↑

11% 14 (11.83 +0.34%,)
2 (4.23 +1.20%,) (6.75 -0.15%,)
(14.11 +0.28%,) (8.20 +2.76%,) (6.32 -0.63%,)
20% (14.77 +1.79%,)
(5.77 +0.17%,) 10%
2017
0.79 2014.63%
(2.91 -0.34%,) 2017 2017
(9.95 -0.90%,)
4
(19.69 -0.56%,) 2017
2019 20 27 37 2.8 4.0
5.6 0.39 0.56 0.79
2017 39 41 15.2 16 “ ”

Top↑

7

2018-01-24

1 23

2018 8 2

“ ”

2018

800

2100 1000

Top↑

8

2018-01-28

1 23

26

2017

“ ” “

” 2018

2017 “

”

2018

2017 26 76.2%

96.54% “ ” 46 “ ” 45 “ ” 25 93.85%

2017 “ ” “

” Top↑

10.64 3 31.92

0.0057% 12

10.67 1.50 16.01

0.0028% 37.85

10.56 1.04 10.98

0.0020% 4.04

10.82 500 5410

0.0001% 2500

变动日期	代码	简称	
2-6	002158	汉钟精机	
变动人姓名	变动股数(股)	变动平均价格	变动后持股(股)
曾文章	7.41万	10.79	28.03万
变动比例(%)	董监高人员姓名	职务	变动人与董监高的关系
0.0140	曾文章	董事	本人
变动人姓名	变动股数(股)	变动平均价格	变动后持股(股)
廖哲男	7万	10.91	49.30万
变动比例(%)	董监高人员姓名	职务	变动人与董监高的关系
0.0132	廖哲男	董事	本人
变动人姓名	变动股数(股)	变动平均价格	变动后持股(股)
柯永昌	3万	10.64	12万
变动比例(%)	董监高人员姓名	职务	变动人与董监高的关系
0.0057	柯永昌	董事、高管	本人

变动人姓名	变动股数(股)	变动平均价格	变动后持股(股)	
余昱暄	1.50万	10.67	37.85万	
[illegible]	[illegible]	[illegible]	[illegible]	
本人	0.0028	余昱暄	董事	
变动后持股(股)	变动人姓名	变动股数(股)	变动平均价格	
4.04万	邱玉英	1.04万	10.56	
变动人与董监高的关系	变动比例(%)	董监高人员姓名	职务	变
本人	0.0020	邱玉英	董秘、高管	
变动后持股(股)	变动人姓名	变动股数(股)	变动平均价格	
2500	吴兰	500	10.82	
[illegible]	[illegible]	[illegible]	[illegible]	
证券事务代表	本人	0.0001	吴兰	

Top↑

11 3 27

2018-02-09

A

2017

27

27 7

27

2017 1 29

27 1 29

6.81 (31.67 -2.22%,) 34183.39

(7.35 -2.78%,) 6162.81 (6.45 +0.62%,) 5573.53

(11.60 +2.11%,) 5340.04 (13.94 +2.12%,) 3763.90

(9.80 +0.20%,) 3089.24 (11.45 +1.06%,) 1894.91

(11.39 +1.42%,) 1487.59 (7.06 +0.28%,) 1333.54

(6.07 -0.33%,) 1005.85

1000

(14.30 +1.85%,) 1%

1.0648% 0.9852% 0.8481% 0.5047%

0.5%

4

27 9 2017

50% 328.00% A(5.58 +3.33%,) 314.33% 133.00%

100.00% 4 2017

27 24 2017 1

A 78.00 40.64 36.00

19.58 13.00 5 2017

10 6 (25.29 +0.44%,

) 8.97 7.46 (7.83 +0.26%,) 7.42

(11.22 +1.72%,) 6.90 6.40 (8.87 +1.49%,)

6.18

27

27.46 12.18 15.12

ST (5.58 +2.01%,) 15.27 15.41 15.51

16.93 A

15.12

2017 6.5 100%

“ ”

1 29 (13.76 +1.78%,
) 29.07% (10.59 +2.32%,) 17.78% 17.51%
16.95% 16.83% (17.27 +1.83%,) 15.55% (5.67
+6.58%,) 15.25% 15%

27 30 “ ” “ ”
14 19
A 8
(8.45 +1.56%,) 4 (13.61 +2.72%,) 4 4
2 (9.72 -0.72%,) 2 2 2 2

2017 133.00% 23.48
31.67

2 6 2018 2 5 (9.11 -5.60%,
) 997
0.5% 50%
(12.95 -0.54%,)(11.48 -1.37%)
2017 -2019 1.73 2.29 2.97
2018 25 57.25 “ ” Top↑