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23. 2018 6 19.2%
24. 80%
25. 7%

1. “ ”
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3. 2018
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5. 2018
6. 2018

1. Opteon XL41
2. “ ”
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4. 5 60
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6. 2019 " "
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11. , &
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13. 2018 “ ”
14. ·
15. Busch Pfeiffer Vacuum Technology

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18. ” “

19. 30 2018 531

20. 166 400W

21.

22.

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24.

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26. LG

27. 40

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2020

12 1 G20

1 2000 10% 1 1 25% 2

90

3

225 1% 1.5%

1% ASX200 1.5% A 2654.80

2.57% 7938.47 3.34%

3

10

IMF

11 28

G20

G20

2020

NFI

http://news.ehvacr.com/news/2018/1204/105789.html

2

2018 500

2018

2019 10

10

https://www.hvacrhome.com/news/show.php?itemid=41588

3 8% “ ”

“ ” “

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8% “ ”

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10 4000 11 12

3600 8 21 4320

3800

“ ”

“ ‘ ’

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8-9

11 13

3690 10 10 27 3990

8%

3700 10 29 4010 /

8% 8 21 4320 11 13 3820

10%

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11

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‘ ’ ”

1-9 88665 9.9% 1-8

0.2 10 204.68 0.66% 12.99%

1-9 3.3%

19.8%

2015

2016

2015 1500 8 4000

166%

“ ‘

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8

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2500m3 4 40m3/min 3

“ ”

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=5&id=8284

4

11 19

421.14 394.27

33 300

1324.09

4.8 2.6

11 19 10 30

11 15

9 6 3 918

10 24 2018

147 117 30 6977

2603 102

55 39 16 1698

4.8

2.6

2017 8 9

7 31

10 31

11 14 1~10

5.7% 1~9 0.3 1~10

3.7% 0.4

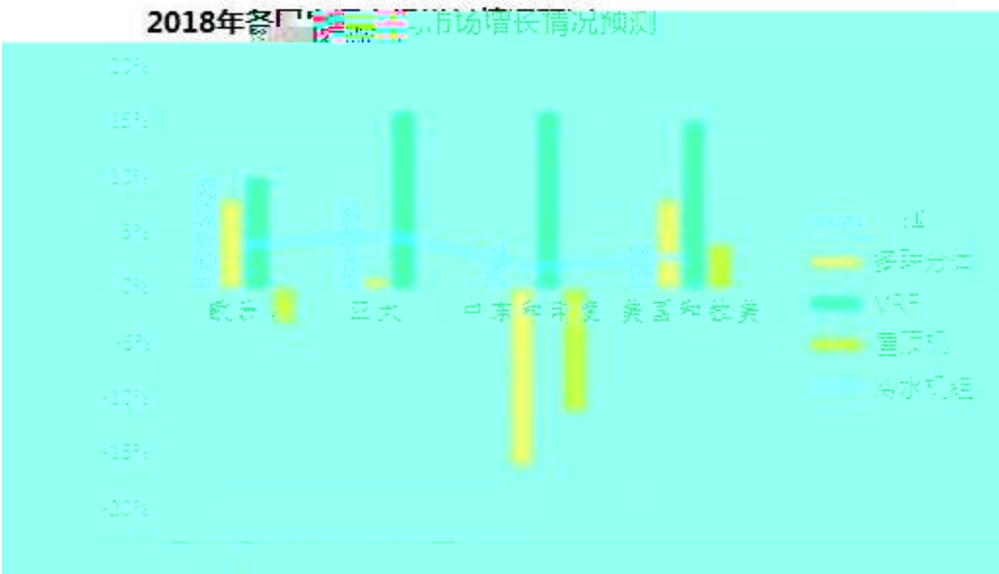
11 15

PPP

http://news.ehvacr.com/news/2018/1122/105709.html

5

BSRIA



2018 5

10%~25% 3

VRF

2018

50%

VRFs VRF

VRF

2018 1

VRF

2018 3 4 5 5

6

2019

http://cac.chinaiol.com/s/1115/59203952.html

6

7

85%

2016

5-10

15-20

200 (

300)

25%

http://cac.chinaiol.com/s/1127/43204467.html

7 35

2019 1 21

200

12 35

2019

https://www.hvacrhome.com/news/show.php?itemid=41639

8 2030 20

48% 33%

2016 69 34% 66%

59.8% 2007 29.2

2017 81.6 338 29.3%

30%

40%

2017

2018 37.6% 2017-2018 25%

2 18.5%

35.9 41.2%

85% 6000

2016

206 6.7 3.3%

19.4% 2017-2018 2.08

60%

67% 67%

7400 54.86 27.43

650 2030

20 , 400 PM2.5 1.9

https://www.hvacrhome.com/news/show.php?itemid=41543

9

2018

2018

2018

2018

http://news.ehvacr.com/news/2019/0129/106235.html

10

30 11 20

20

800 “

” 12.6 30

“ ” 2020

-60

100

50

“

”

50 150 “

”

http://news.ehvacr.com/news/2018/1123/105710.html

11 :

2018-2019

2017-2021

12 15

http://cac.chinaiol.com/s/1218/39205512.html

12

10 29

14

2018 190

2018 33

14

500L

500L

2018 12 1

4 12 1 4

4

4

24

1

“ ” 2018 35

2018 12 1

“ ”

“ ”

2018 12

010-82262225

2018 10 16

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=5&id=8283

13 “ ”

1-9

11 14 1-9

4.9% 9.59 14.8% 7121.0 45.2%

2.46 ( ) 1.4% 2.2%

“ ”

1-9 2.2% 1-8

1377.2 2.0% 3497.1 2.6% 1309.7

2.7% 1226.7 1.5% 6230.7 0.9%

2509.2 1.1% 1917.8 2.7% 6350.6 5.7%

( ) 5124.5 16.1% 6.47 1.4%

9 4.9% ( ) (100%)

0.1% 9.4% 3.5%

1-9

41.2% 1.6 7.0% 0.9

3.8%

1.0% 1-9 24.6% 7.2%

1-9 7121.0 45.2%

14.3% 100 81.56

1.05 18.4% 12.75 6.1%

54.19% 1.16 1-9 7.43%

1.56

9 599.2

20.5% 1.59 3.6%

93.87 31.4% 482.06 18.1% 1-9

5216.6 22.8% 8.6

10.5 12.9%

962.9 99.8% 4087.7 13.7%

1-9

26.2% 22.8% 15.0%

21.2% 5.8%

1-9

1.7%

5.4% 1-8 1.0

11 2000 /

7 23

100

100

“ ”

2017

35%

2

5 4000 280

“ ” 6000

“ ”

“ ”

“ ” “ ”

2015

( ) ( )

2019-2020 / /

7400/3400/2000 / 2019

2018

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6000 “ ”

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” 76

2018

2018

“ ”

20000h

1

2

PTA

“ ”

20% 40%

3

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=5&id=8362

14

2018 47

CGMA

033001-2018 2018 10 1 2019 1 1

GB/T16665

5 1

10%

5

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=106&id=8308

15 1.6

2008

39

1.6

2017 2050

20%

11.7%

28.6%

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=108&id=8291

16 2030 3100

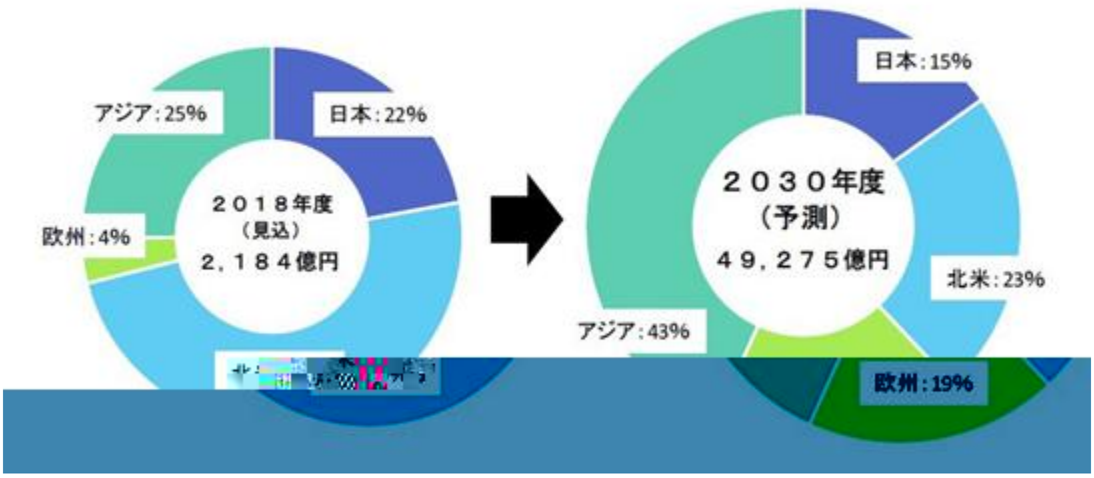
“ ”

2018 2030

4 9275 3042 2017

28 2 1301 1317 2017

49 8



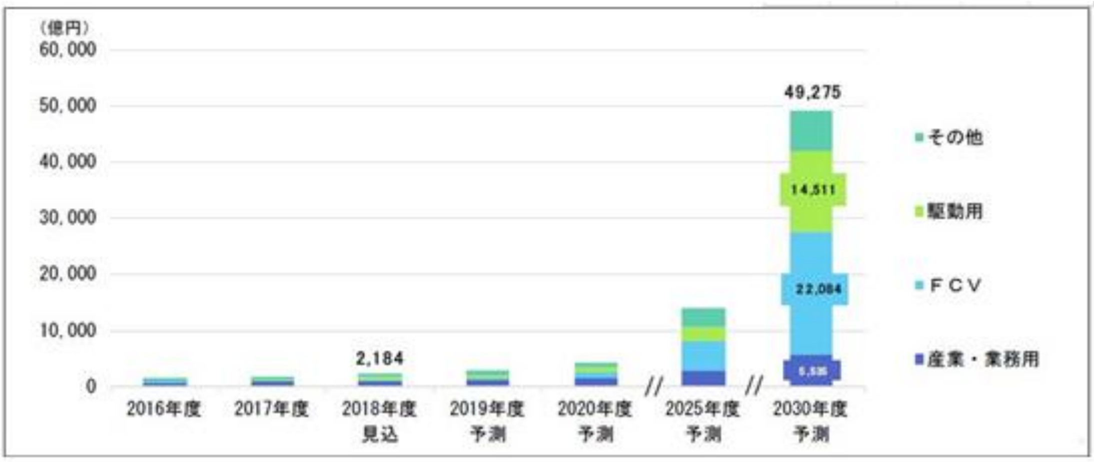
2017 1757

FCV

2025 2030

2025 1

618 2030 4 9275 3042



2018

2018 “ NEXO ”

2030

PEFC

SOFC

“ ”

https://libattery.ofweek.com/2019-01/ART-36008-8420-30301262.html

17 2018 44.26GW

2018

4426 2017

2018

2018—2020

20 1775 50 906 14

691 2017 95

277 7 5 54 9

3 2 8

2018 854 392

155 90 74 6 12329

3 2 6000 3613

16

2018 2059

47 2018

1 84 27 9 “ ” 72 1

2018 3660 20 2095

147 2654 2587

2489 2333

2018 277 142

7 5 “ ”

14

5

107 23 54 19

72 10

2018

4426 2017

2330 2096 12

1 74 12384 5061

2018 1775 50 1115

37 1617 1523

1460 1439

2018 18 2 8

“ ”

21 4 16 6 10 3

10 10

2018 305 1781 20 7

906 14

258 180 167 164

50 47

42 24 135

95 92 83

https://solar.ofweek.com/2019-01/ART-260009-8420-30301903.html

18 2019 100GW

Wood Mackenzie 2019

100GW

Wood Mackenzie

2017 55 2018 43

30

PERC 36 41

3000

2 **30**

2018 2012

15%

14 /

30 / 2019

2019 2019 1

2019 2.25 ACWA

Power 23.4 /

PPA

3

2019

2023

531

2030 2030 58.7

—— 40 —— 2019 200

MOU (REPDO)

70%

2019 2019 1

2030

20% 2020

32%

4

2019 2017

2.3

Lightsource BP

300 2019

40 / 51 /

2019

2-3

5

56% 2018

13% 15% ERCOT PJM , 2018

25% PPA 2.9

PPA 30% ITC 2019

2019

2018

12 (Renewable Energy Directive)

6

2019 2018

2100 38%—

SunPower 470

;

47% 2018 ITC

7 +

Xcel Energy(30-32 /) NV Energy(31-37 /) PG&E(

567.5) 2018 + + 2019

7 262 1

78 / 1.4

2023 8.8 + 2018

82%

+

CCGT + CCGT

20 LCOE-LCOS

+

CCGT OCGT

LCOE

2019 +

8 Mono PERC Bi-facial

2019 2019 41%

Mono Perc 2018 36%

2019 2019

0.25 /Wdc 0.95 /Wdc—

— 0.80

/Wdc

9

2018 :

(SECI) 1000 ; 2

2019 (RFP)

(500) 6300 84%

2019 1000

(

)

14.7 2019

10

( )

Wood

Mackenzie 50 ( )

CSP

1

2019

https://solar.ofweek.com/2019-01/ART-260006-8420-30301884_2.html

20 2019

2019 2019

2018 11 12 2

2019 1 10% 15%

2019

2018

22% 15% 7%

2019

2019 1% 5%

2018

PC

2019

4

2019

2009 2018

2018 621

2299 2270 1600 2018 3000

2014 2017 600 700 2018

846.36

2018 1-9 4461.5 22.4

22 1791.4 27.6 1147.3

1522.8 19.1

http://www.semi.org.cn/news/news_show.aspx?ID=55141&classid=117

22

7

2019

NAND Flash 2018

2018 4 DRAM

DRAM

DRAM

NAND 2019

2019 1

1 0.5 2

60% 50~53%

50%

12

90

10% 25%

90

25%

http://www.semi.org.cn/news/news_show.aspx?ID=54980&classid=117

23 2018 6 19.2%

2018 1990 2808.06

2.76%

2018 61.7% 125.6

100

2018年主流新能源车企销量目标完成情况

车企	目标销量（万辆）	实际销量（辆）	完成率
比亚迪	20	247,811	123.9%
北汽新能源	15	158,012	105.3%
上汽乘用车	10	96,000	96.0%
奇瑞	10	90,537	90.5%
长安	8	42,410	53.0%
众泰	8	33,872	42.3%
知豆	8	15,336	19.2%
江铃新能源	4	近5万辆	125.
江淮	5	63,671	127.
广汽新能源	1.5	20,045	133.
蔚来	1	11,348	113.

数据来源：车企及乘联会 整

247811 **123.9%**

2018 12 46,650 55.1%

247,811 118% 20

62,078

5 59,799

225,395 2018 84,327 2018

65,871 35,699 SUV

EV360 35,699

158,012 **105.3%**

2018 158,012

53.11% 15

EC EC

2018 90,637 16.6% 57.36%

2019 22

9.6 **96%**

2018 9.6

10 96%

5

2018

eRX5 ei6 Ei5

FCV80 3 300

2019 Ei5

12.88 -15.88 2018 Ei5 5000

90,537 **90.5%**

2018

2018 90,537 146% 10

90.5%

3xe eQ1 400 5e 450

SUV eQ

50% eQ1 4.4 123%

5e 3xe

42,410 **53%**

2018 42,410 38.3%

8 53%

2019 2018

2019

33,872 **42.3%**

2018 8 33,872

42.3%

E200pro ET450 Z500EVPro

15,336 **19.2%**

2018

2018 15,336 63.9%

8

5 **125%**

2018 5 65% 4

2019 3

3

EV3 EV3 4

EC3 R1 2

63,671 **127.3%**

2018 63,671 125.28%

5

2018 12 7

20,045 **133.6%**

2018 20,045 4 1.5

GS4 PHEV 10,922 486%

2019

11,348 **113.5%**

2018 11,348 ES8

A00 2018

2019

2019

160

https://www.d1ev.com/news/shichang/86274

150 2017 100

2016 “ ” LG

“ ” 2017

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https://libattery.ofweek.com/2018-12/ART-36001-8420-30294068.html

25 7%

11 21 21 **1 11** **44 11GWh**

79 87

5 109GWh 23 18 76 23

60 69 3 072GWh

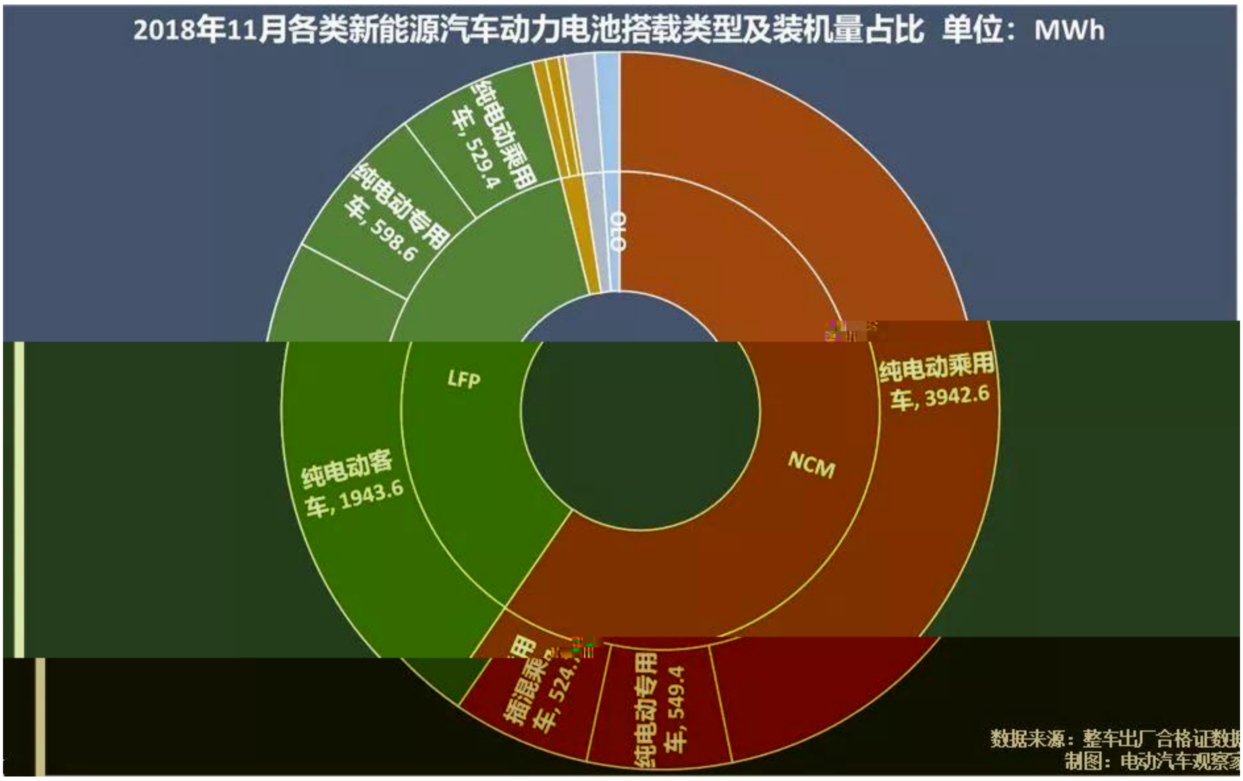
63 01 16 05

11 **27 03GWh** **61 36**

133

10 27 63 28

17 24 19 49



NCA 10 7 6MWh 11

92 5MWh

2 29

NCA

E100 142Wh kg

NCA NCA

302Wh kg

OLO 11 852 5KWh

12 9

1

5—6

2

2018 7 19 —— 500

120 5 126

120 53

500

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2007 2017 300

2007 15.6%

2017 7% 7.8% 2.8%

2017 300 10 10

1 100

TPO5

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http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=6&id=8350

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[4]

[5-10]

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2012 6 CPRS

589 468 121

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1985 1989 4

1985

2000 2000 10

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23 2006 2011 2011

136

1998 3 1999-2005

2005-2011

1989 1993-1994

1996 1 1997-2005 2006

21 2007 4

2006

1997 2000

2006

100% 0

73.5% 25.5%

3 /

468

54.55%

50%

19.83%

13.57%

4

21 3.47%

19 3.14% 2

24.30%

3.47%

3.14%

13 9

7

20

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2000 2011

ض Š

100% 0 73.5%

25.5%

3.40%

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=6&id=8277

3 2018

2018

5 2018 3

6 2018 1

7 2018 1

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10 2018 4

11　2018　　5

2018　　6　　　　　　　　　　　　　　　　　　　　　　　　　　　　7

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28 10

2016 6 5

http://www.compressoronline.cn/index.php?m=content&c=index&a=show&catid=106&id=8195

5 2018

2018

2018

时间	政策及要点
1月12日	**国家能源局 国家扶贫办 关于上报光伏扶贫项目有关信息的通知（国能综通新能〔2018〕10号）** 统计范围包括两类，一是能源局正式发文认可的光伏扶贫规模内的项目，二是各地自行开展的、不属于第一类的村级光伏扶贫电站。统计结果应于1月22日前送报国家能源局和扶贫办，逾期不报的不纳入本次补贴目录。
1月19日	**国家能源局关于建立清洁能源示范省（区）监测评价体系（试行）的通知（国能发新能〔2018〕9号）** 一是建立定期评价和监测机制。二是建立清洁能源示范省（区）监测评价体系。监测评价体系由清洁能源利用目标完成进度、重点任务完成率、清洁能源消纳情况、自评价[illegible]
2月28日	国家能源局2017年度光伏发电市场环境监测评价结果（国能发新能〔2017〕79号） 宁夏、甘肃、新疆全境均被列入红色区域，橙色区域主要是青海、内蒙古、吉林、陕西、云南以及河北部分地区，[illegible]除上海、福建、海南、重庆、西藏以及陕西部分地区外大部分地区均为绿色。
2月28日	国家能源局 关于印发2018年能源工作指导意见的通知（国能发规划〔2018〕22号） [illegible]约1500万千瓦[illegible] 储能[illegible]100MW/400MW[illegible]24MW/12MWh[illegible]30MW/120MWh[illegible]100MW[illegible]100MW[illegible]
[illegible]	**财政部 国家发改委 国家能源局 国务院扶贫办 关于公布可再生能源电价附加资金补助目录（光伏扶贫项目）的通知（财建〔2018〕25号）** 按照国务院要求，为确保光伏扶贫收益及时惠及广大贫困人口，对列入可再生能源电价附加资金补助目录内[illegible]国家电网公司、南方电网有限责任公司分别负责补贴资金的申请和拨付[illegible]由省级财政、价格、能源、扶贫主管部门负责补贴资金的申[illegible]地方独立电网企业经营范围内的光[illegible]请和拨付。
[illegible]	[illegible] 补贴方面，执行国家光伏扶贫价格政策，不参与竞价，优先纳入补贴名录，原则上次年一季度前发[illegible]
4月2日	**国家能源局 关于减轻可再生能源领域企业负担有关事项的通知（国能发新能〔2018〕34号）** [illegible]投资建设，保障配套电网工程与项目同时投入运行[illegible]电力市场化交易环节[illegible]还从减少土地成本、降低融资成本、制止乱收费三方面优化投资环境[illegible]
4月11日	**工信部 住建部 交通运输部 农业农村部 国家能源局 国务院扶贫办 关于印发《智能光伏产业发展行动计划（2018-2020年）》的通知（工信部联电子〔2018〕68号）** 1、加强组织协调和政策协同。六部门将建立统筹协调工作机制，协作配合，形成合力，同时充分发挥相关主管部门力量，确保行动计划各项任务措施落实到位。 2、推动智能光伏试点应用。培育一批国家智能光伏示范企业，支持若干行业特色智能光伏项目建设，探索智能光伏建设先进模式并加强全国推广。 3、加大多元化资金投入。建立智能光伏领域产业发展基金，引导多方资本促进智能光伏产业发展。充分利用多种渠道，加大对智能光伏产业扶持力度。 [illegible]

2019

43GW 18%

170GW 23GW 31% 20GW 5%

531

https://solar.ofweek.com/2019-01/ART-260006-8480-30299367.html

6 2018

2018 2 13

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” “ ”

2009 “ ”

2020 “ 200 500 ”

2018

2017 2018

2017 2018

333 532 622 811 NCM811

2020

SMM

https://libattery.ofweek.com/2019-01/ART-36001-8420-30294755.html

1 Opteon XL41

2019 1 10

CC

OpteonTM XL41 R-454B Sindelfingen

BITZER ORBIT ORBIT

R-410A GWP

ORBIT ORBIT ORBIT + ORBIT FIT

O

www.opteon.com ORBIT

www.bitzer.de

NYSE CC

TeflonTM TM TM Ti-PureTM TM KrytoxTM VitonTM TM OpteonTM TM FreonTM TM NafionTM

35 7000 5000

CC chemours.com

http://bao.hvacr.cn/201901_2080191.html

2 “ ”

11 30 2017-2018 “ ”

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1997 21

http://news.xjtu.edu.cn/info/1007/103781.htm

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12 19

2016

4 5 60

12 18

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5 60

32.03%

7.18%

15%

30%

2019

8

2019 6

2019 2023 60

2018

2019 2021 30%

18

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2018 2018 2000

2000

1995 2015 2018

13

21.9% 7

-35

-25

60

IH

G-IEMS 3.0

2013

2013 1

2018 5

2011 114

2018 222

https://www.hvacrhome.com/news/show.php?itemid=41613

6 2019 " "

2018

IPD PDT SQE

- - - -

2019 2019

2019

140

25 2018

2019

2019

2019

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https://www.hvacrhome.com/news/show.php?itemid=41504

7

www.hvacrhome.com

30% 57%

2018

1000

2019

https://www.hvacrhome.com/news/show.php?itemid=41670

http://cac.chinaiol.com/s/1220/27205627.html

9

www.hvacrhome.com

700

ICU 1500kW 1550kW

https://www.hvacrhome.com/news/show.php?itemid=41426

10

www.hvacrhome.com 1 15

AHR

The Air-Conditioning, Heating, and Refrigeration Institute , AHRI Mr. Bill Tritsis

AHR

1 0 3/4

-32

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-20 -35

Ultra Heat GMV Ulrra Heat Heat Pump Water Heater

AHRI Mr. Bill Tritsi AHRI

Mr. Bill Tritsis AHRI

AHRI

AHRI

AHRI

AHRI

AHRI

2018 Wyndham

https://www.hvacrhome.com/news/show.php?itemid=41509

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“ ” --- 2019

1 20 90

http://www.compressor.cn/News/qyzc/2019/0121/109140.html

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1 16 15

13 2018 “ ”

2018 “ ” ( )

2018 402 2018

“ ”

707 “ ”

“ ” “ ” “

” “ ”

72

http://www.compressor.cn/News/qyzc/2019/0125/109207.html

14 ·

· IPV

Varisco

IPV 2017

5000 5 20

IPV “

” Andrew Walker

“ ”

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http://www.compressor.cn/c.php?id=555

15 Busch Pfeiffer Vacuum Technology

Busch Pfeiffer Vacuum Technology Pfeiffer Vacuum

IT Busch SE Pangea

GmbH Pfeiffer Vacuum 50%

Source: Busch Dienste GmbH

IT

Busch Pfeiffer Vacuum 50

Busch Pfeiffer Vacuum

Busch Pfeiffer Vacuum

Busch

Pfeiffer Vacuum

" Pfeiffer Vacuum

" Busch Sami Busch "

Pfeiffer Vacuum Busch

50 Pfeiffer Vacuum

"

" Busch IT

"Pfeiffer Vacuum

Eric

Taberlet " 1.5

"

http://www.comvac.cn/qydt/qykx/2018/1203/53594.html

16

2015 Edwards

Edwards 15,000

22,000

Edwards

Edwards

· Geert Follens Paul

Rawlings Edwards Edwards Bram Claes

Edwards

· Geert

Follens

Paul Rawlings Edwards

Edwards

Sarah Goodwin

Geert Follens

Edwards Bram Claes Edwards

·　Geert Follens

Geert　Edwards

Edwards

Edwards

http://www.comvac.cn/qydt/qykx/2018/1030/53495.html

17　·

·　a10　25　70

Division

2018

·

2018　Koen

Lauwers

·　LRP VSD+

·

10 26 2018 ·

Koen Lauwers

2017

31

18

DHS DZS Ex LRP VSD+

0

4.0

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10 26

http://www.comvac.cn/qydt/qykx/2018/1218/53637.html

18 ” “

2019 1 2 ” “

0 13MW Hi MO1 365W

2019 1 2 ” “

0 13MW Hi MO1 365W

SUNPOWERCo Ltd “ SUNPOWER ”

SUNPOWER 1998

34

60

9 12

2015 “ ”

2030

115

2018 25 36 22 55

- “ ” 2018 “ ”

26 61 27 61

25 36 22 55

- 2018

24 44 25 44 29 47 26 58

2018

17 093 42

7 099 38

46 13 61 52

25 000 —35 000 46 13

61 52

2018 8 8 5 17 22

2018 1 12 8 8 5

17 22

2018

5 2 5 3

1 31 2018

2 500 3 500

33 410 34 410

55 871

52 371 53 371 1 358

2 358

70

100 25 30 304

9 8

51 01

21 362

0 10

1 18 2018 71 406 88

－78 547 57 0 10

2018

1 UPS IDC

2018

2 2018 16 000

2018 **22 65** **41 99**

2018 15 000 20 000

41 99 22 65

1

2 N N

TOPCon IBC

3 6 654 51

2018 **2017**

2018 10 31 5 34

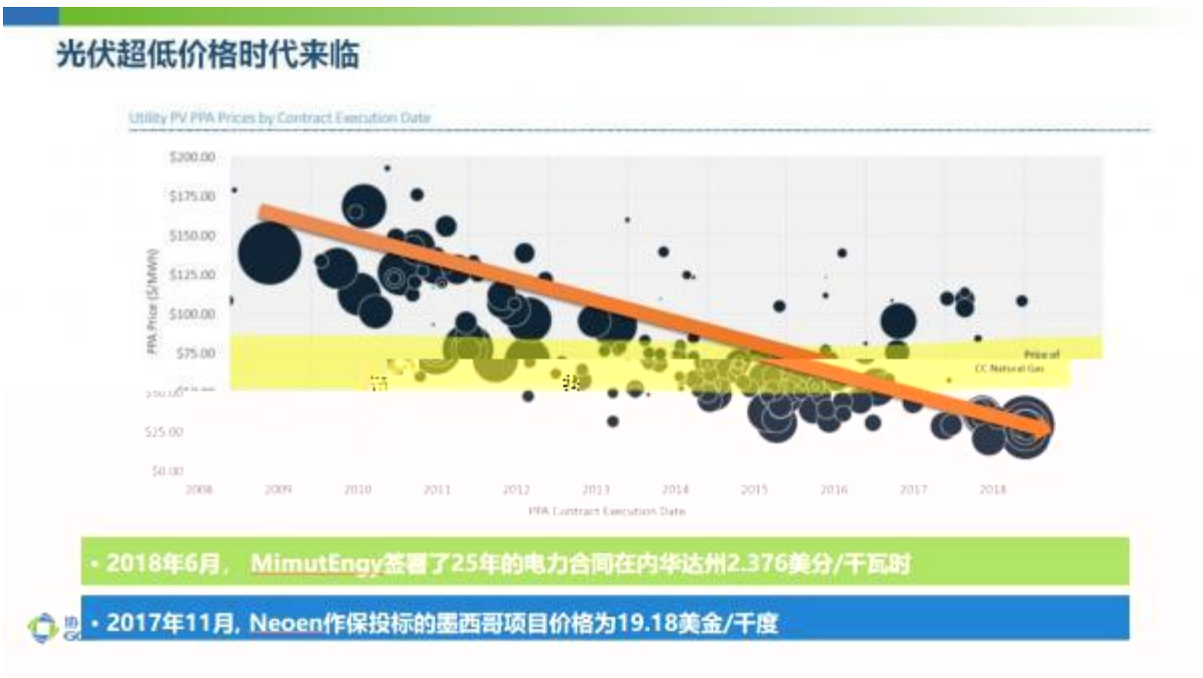
609 450 000 2018 12 31 2017

https://solar.ofweek.com/2019-02/ART-260006-8420-30302318.html

20 166

2018 531

531



2018 6 25%

2.376 / 0.13 / 0.16

“ ”

20 21 22 23 24

PERC PERC

N—PERC 23 24

156.75 157.75 158.75 161 166

Ǒ ِر ŘŠ Ğ Š

300 **3.0**

400 **4.0**

2018 2019 300 400

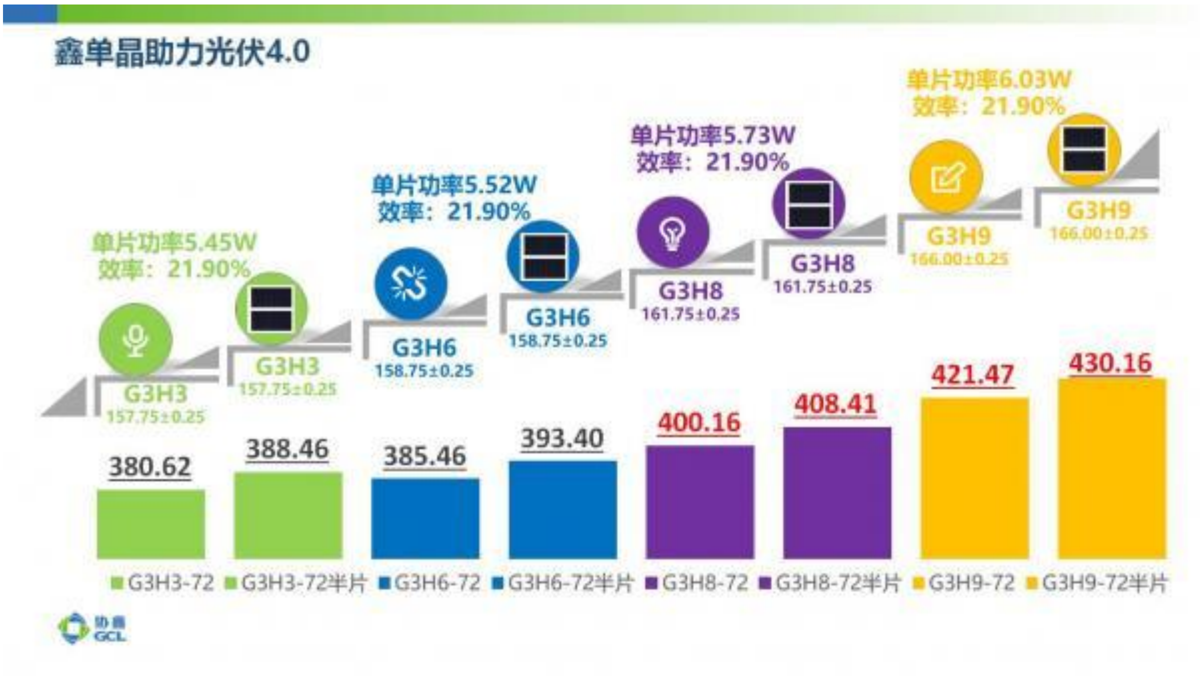
0.3 2019 0.25

2020 1.7 400

1.9 2021 200

300 **400**

400



G **157.75**

158.75 **161** **166** 157.75

158.75

161

161 166

166

157.75 21.9% PERC MBB

158

161 **400** **408** **166** **420**

430 500

PERC **2019** **400**

1/3

166 3

166 166 166

PERC 166 400

20.6% 400—405 166

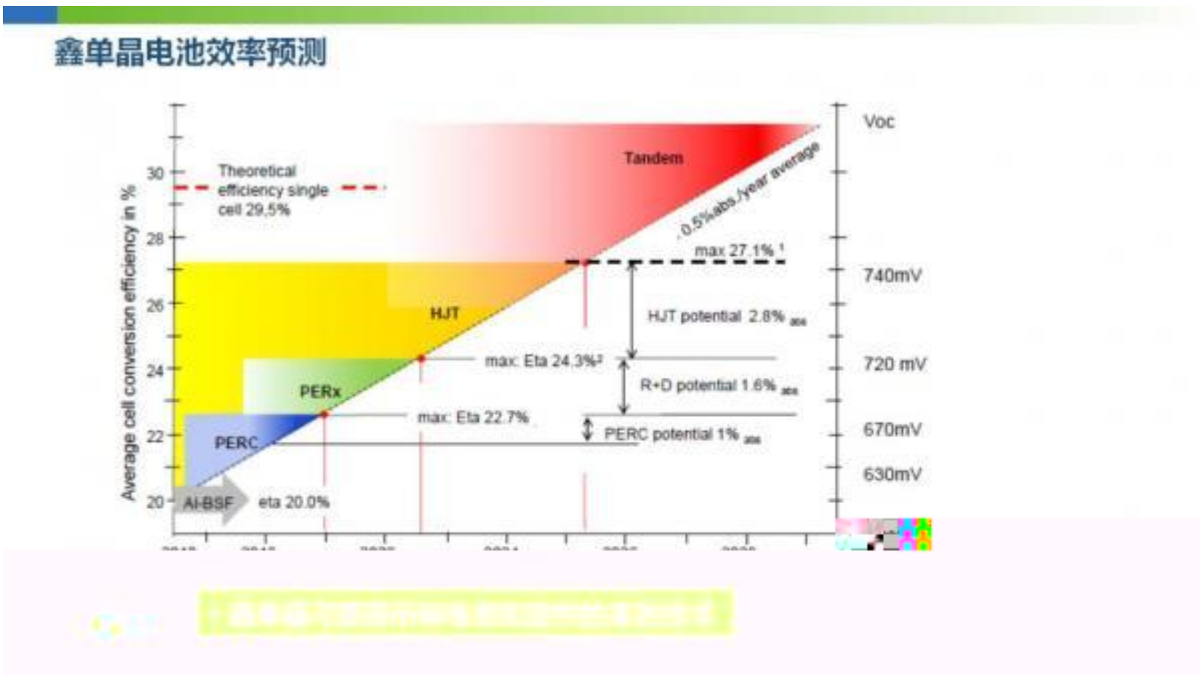
166 166

5—7

166

0.3%

166 **G3H9** **420**



20%

PERC 22% 2019 PERC 22.19%

HJT

PERC HJT

https://solar.ofweek.com/2019-01/ART-260018-8400-30298230_2.html

21

“ ”

20 2019

112 16

1 “ ”

2019 CEO

“

‘ ’

“ ”

”

EPC

13

“ ”

2019

“ ”

1GW

https://solar.ofweek.com/2019-01/ART-260009-8460-30299449.html

22

“ ” “ ”

17 2

PERC 19 60 285W 315W

“

98

”

200MW

https://solar.ofweek.com/2019-01/ART-260008-8460-30301283.html

23 13.5

28

100%

13.5

10 2

6

12 7.3

2 14

11

IC

IC

IC

http://www.semi.org.cn/news/news_show.aspx?ID=55268&classid=117

24

1 30

2000

CFO 10

http://www.semi.org.cn/news/news_show.aspx?ID=55281&classid=117

25

19

110 480 300mm

300mm

480 300mm

110

60 56 139 300mm

2 25 2021 2

480 300mm 35

2018

)

http://www.semi.org.cn/news/news_show.aspx?ID=55170&classid=117

26 LG

LG

80

LG 2020

5

LG 50 LG

——

SDI

2020

2017 50 2020 30

60

https://libattery.ofweek.com/2019-01/ART-36001-8420-30294571.html

27 40

1 4

“ ” 40

LCK6105FCEVG1

“ ”

40 7500

2018 3 23

80 2018 12 31 247 623 641 32

1 406 318 18 246 217 323

7500

1994

2014 Vision SENRY Euroba

——

600 KVAH 11 Wh

https://libattery.ofweek.com/2019-01/ART-36008-8460-30295634.html

28

2018 12 20

1.17

“ 1.17 ”

2018 12 25

631.25 3.03

25

2022

“ ” 2004

2016

“ ”

10kW 30kW 60kW 200kW

“ ”

“ 2018

”

8.5 100

2018

74

14 250

2.5 60

5 UNDP …… “

”

400

1

3 150

20 6000 1500

“ ”

“

”

“ ”

http://china-hydrogen.org/hydrogen/mix/2019-01-02/8948.html

29

2018—2020

30

5

2020 100

10 40 20

30

1

2 3

2 3

10 1 2

1 2

3 3 10

10 200

10

1

500kg/d 35MPa 200kg/d 70MPa

30% 300 1000kg/d

35MPa 400kg/d 70MPa 30%

500

2

3

“ ”

10% 100

10%

500

1

20%

500

2

“ ”

http://china-hydrogen.org/hydrogen/mix/2019-01-06/8969.html

30

“ 2018 ”

11 19

”

2007 9

800 6 20

“

”

‘ ’

http://china-hydrogen.org/hydrogen/mix/2018-12-06/8810.html

1

2018-11-20

4

2

2018-11-12

11 9

000811 9.94% 5.31 6814 2.06%

10.14% 2.75

0.4% 300464 ,

300257

5 1035.9

1031.49

2018 11 08 34552.48

0.48 453.53 72.22

2018 24.43 1.96

0.30 10.83

3.34 1.41%

3

2018-11-12

10 12 2018

6 AMOLED

2015 OLED

6

OLED 2018

OLED

90%

2014 APEC

2016 45%

3 20%

4

9 26

C919

2017

797.3 15.9%

2017

27 5 11

8

2020

80% 600

2.5 50%

2011

2012

2016

7 2018 2020

15

10 30-50

8 30

58 1 800 30

0 1

9 Sand River

Sand River

6

2003

22 6504 25.65

30

21 66

30

180

7 25

5

2017 23

23 423 397

94% 383 355 372 263

8 2 8 3

1 9

23.65%

15.9%

8 28

2007 10

8 2017

3

2017 9

300

100

500

216

103

100

50

2017 413

59.4% 484.7 44% 14.2%

2.2

4 “ ”

2018-11-12

5.16%

2018

2135 27%

10.4 28%(2017 24%)

GMV

6.06% 4.73%

4.59% 4.55% 4.12% 3.54%

3.53% 3.04% 3.02% 3.02% 3.00%

28%

20%

20% CR8

10%

;

2500 2020 4700 20%

5

2018-11-13

5.16%

2018

2135 27%

10.4 28%(2017 24%)

GMV

6.06% 4.73% 4.59% 4.55% 4.12% 3.54% 3.53% 3.04%

3.02% 3.02% 3.00%

28%

20%

20% CR8

10%

2500 2020 4700 20%

7

2018-11-29

( ) 11 220

92%

( )

8

2018-12-06

12 4

“ ”

9 “ ”

2018-12-25

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out

12 21

“ ”

“ ”

“ ”

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10 10 64

2018-12-03

10 64 4585.30 4.06

10 11 19 ~11 30

176 64 4585.30 4.06

80 1.50 12.95

10

10

1050.00 8465.00

805.70 6477.83 10 5328.36

10 13

10 8

10 9

7

10 26 24

14

10 6 6

10 7.35% 3.39%

10 13.95%

5.95% 4.08% 42.68% 18.48%

10 13

5357.57

14.49 6.00

11 2

2018-12-29

20%

90%

2003-2012 10.25%

2013 126.7 2018 1948

72.7% 2008

CR3

45%

(1) (2) (3)