

● ????

????????????3000????????????????????????1615?????????·?

??

?1615??1900

??

?1839????????????Becqurel??

20???100????????????????????

?????1900~1920???73.64kW

????????????????

?????1920~1945??

?????1945~1965????????????????20

??

????????????????????????1945??????????????????????????????????????1955

??,???????????????????????

??

?????1965~1973??

?????1973~1980??????????????????,????????????????????

??????????????

????????????????????1973????????

??????????CPC??????????

??????????????????

???????????????

?????1980~1992??????80

????????????????????

??

????1992?~21??1992????????????????

??

??

1997??

??

??20????????????????????????????

- ????

??

??

2.1?????

?????????

????????????????????1%?2000????????????????????????????????2014????????????40GW?????????

3GW????????178GW??2000????14????100??

?????: Top Solar Power Industry Trends for 2015 by IHS?

2014????????????????????????????????13.1GW 9.4GW?6.9GW????????????????????????????????2014
????????7GW????????????????????????????????2014??
89GW????????????????2014????????SolarPower Europe
??

??SolarPower Europe????????????????????2020????????540GW????????
????
??15%
????????????????????????15%????????85%????????????????????????????????????
??

??
?????
??
??

????????????????Concentrated Photovoltaic Voltaire??CPV?????
?????

??
2012??2014????????????????

2.2????

?????????
??
????????????????????1984????????SEGS????????1990????1991??2006????CSP????????

2004-2013????????

?????Renewable 2014 Global Status Report by REN21 ?

????????????????????????????????CSP????????????????????????????????2008????????????????????????????2014????

??2030????????????????????????????4?1?

2009?7????????????????????????????????????4000????????????????????????????15???????

????????????????????????????????2012?3?????????[????](#)????[??](#)????????????????????100MW

????????????????????????????????2015????????????1000MW????????????????????????????????

??(IEA)????205

???????

??24

??

??

??

http://paper.people.com.cn/zgnyb/html/2015-06/29/content_1582314.htm

- ??????????????????:

<http://guangfu.bjx.com.cn/news/20151117/681945.shtml>

???????