

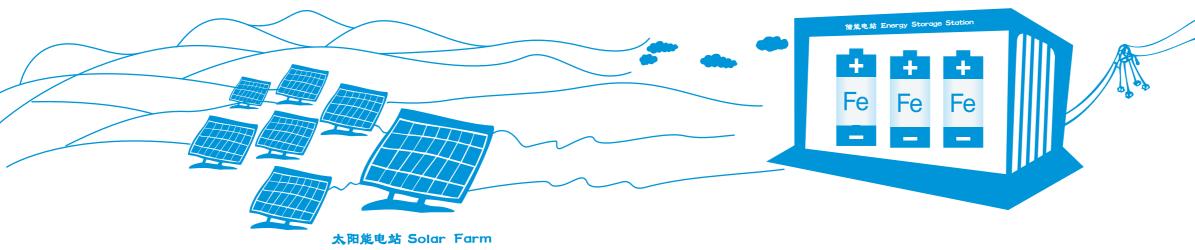








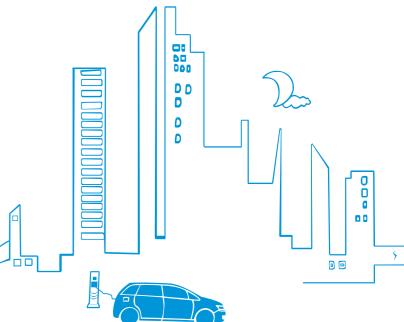
# **Byd's Dream Of All Mankind**



## Byd's Dream, All Human Hope

BYD for the use of its "three green dream": solar power, energy storage power station, electric cars, all human beings can bring out the problem of oil pollution of the environment and the economy, science and technology innovation for the benefit of mankind, glory to the world!

Day.Solar panels like plants capture the sun's energy. The night,Energy storage power plant will be solar, wind energy, tidal energy stored during the day Smoothly transported to thousands of households. BYD electric gently footsteps, zero emissions, zero pollution emissions, Don't wake the baby sleep dreams. This is the dream?This is BYD green dream. This is the dream?No, we clearly have seen it coming towards us!





# **Flourish Dreamer Is A Man Of Action**

BYD, Build Your Dreams, is born to dream and makes every effort for dreams coming true.

Founded in 1995, BYD is a listed company on Hong Kong Stock Exchange and Shenzhen Stock Exchange.We principally engaged in IT industry mainly related to rechargeable battery business, handset and computer components and assembly services, as well as automobile business including traditional fuel-powered vehicles and new energy vehicles while taking advantage of our technical superiority to actively develop other new energy products such as solar farm, energy storage station, electric vehicles, LED, electric forklift, etc...Currently, BYD has nearly 220,000 empioyees and 23 industrial parks in global with an area nearly 17,000,000 square meters.



0 Brazil Floresta

250MW

The largest Double Glass Module Project











BYD'S Largest Single Ground Solar Plant 108MW



**Q** UK

PV+ Energy storage 60MW



**Q** South Africa









## 86MW+70MW+7MW









Solar Power Plant on Water (Silicon Glue Doule Glass)

4MW



**Q** Austrilia

75MW+10.6MW





















**Q** Panama

21MW



150MW













20MW



82MW







50MW



# **Concave formation glass**

The performances of the module (appearance, insulation test, wet leakage current experiment, hail test, mechanical load test,





#### **SOLAR POWER**

0.3% Annual Degradation Up to 50 Years Service Life Life time PID Free 1500V High Voltage System

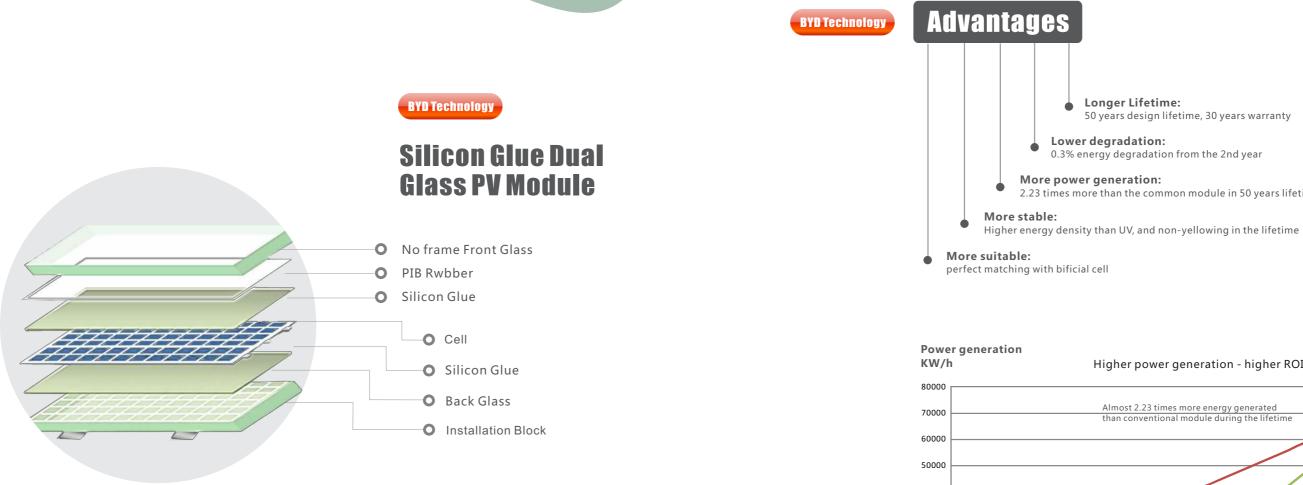
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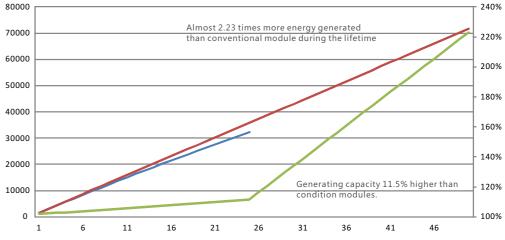
**ENERGY STORAGE** Using Lithium-Iron-Phosphate Battery Longer cycle life, 10,000 cycles High energy density Fully green footprint, material and manufacturing

#### **BROADENED APPLICATIONS MORE CONVENIENCE MORE EFFICIENCY**

Fast Response, <20ms Power Reserve Output Stability Frequency Regulation EFR Off-Grid Micro-Grid VPP

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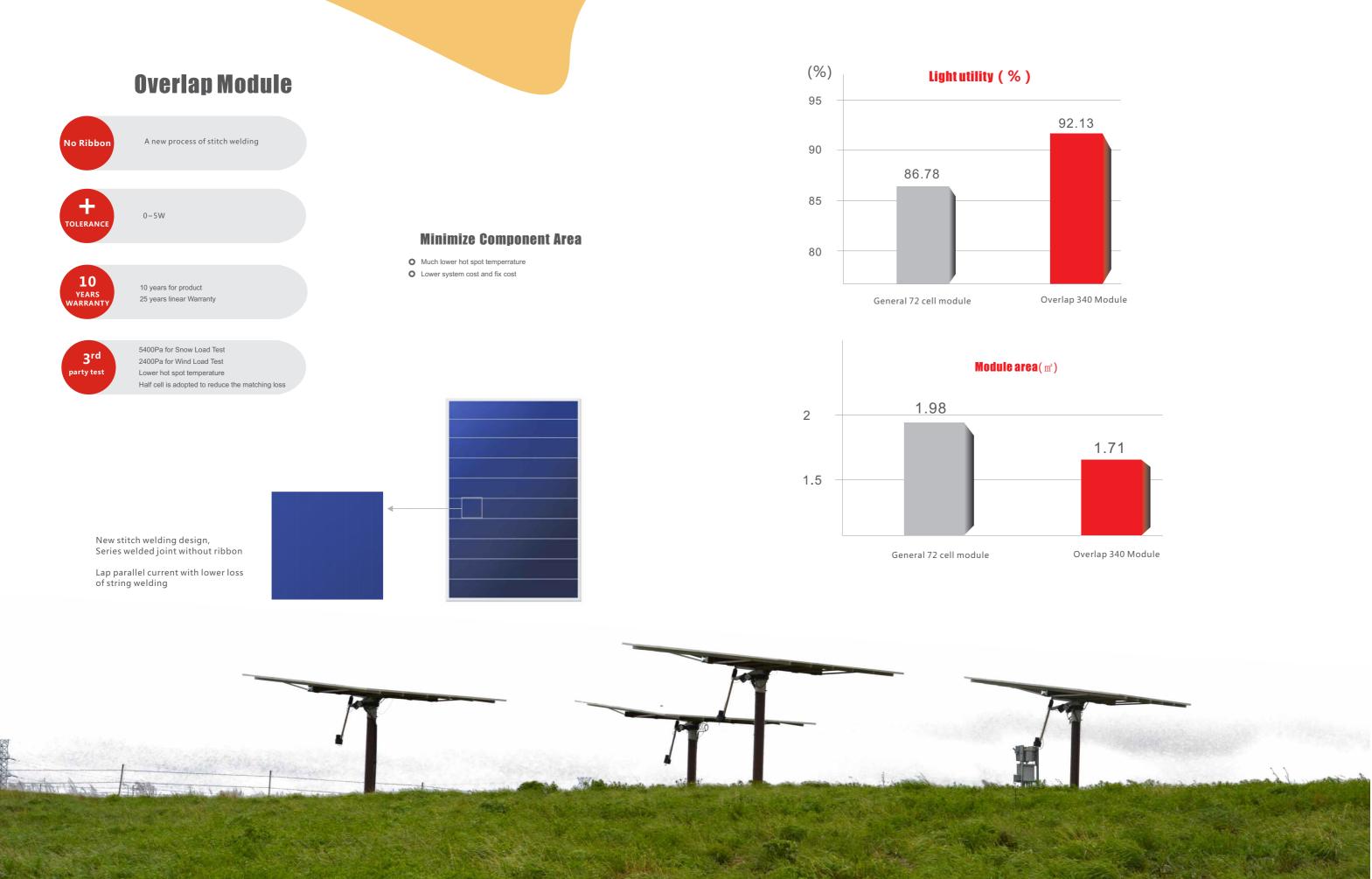
# Longer Lifetime: 50 years design lifetime, 30 years warranty

Lower degradation: 0.3% energy degradation from the 2nd year

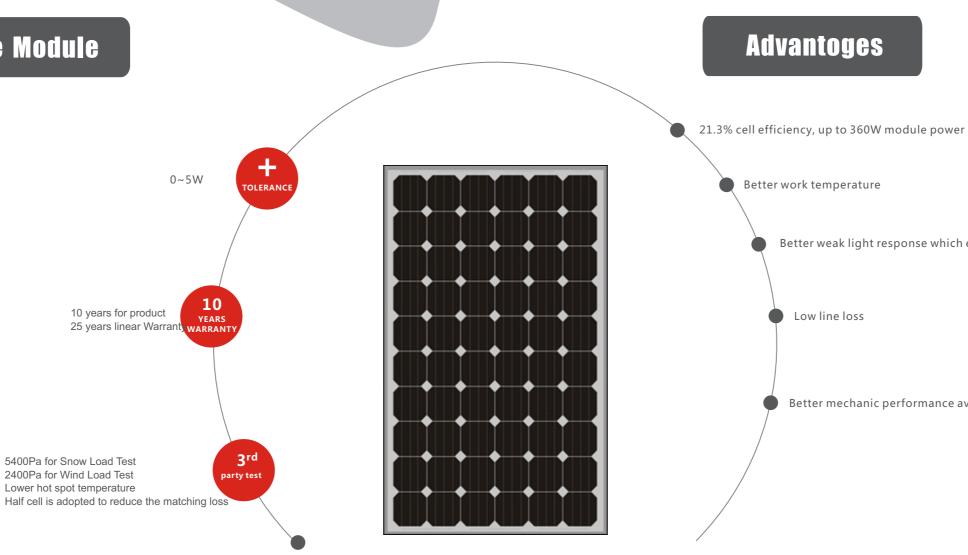
# 2.23 times more than the common module in 50 years lifetime

#### Higher power generation - higher ROI





# Monocrystalline Module





Better weak light response which enhances the total power output

Better mechanic performance avoiding post cracks

# **Three Advantages Of Half Chip PV Components**





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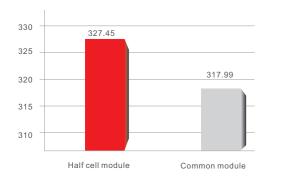
#### Half chip design reducing the series resistance

The conventional chip is divided into two slices Voltage constant , Halve of current Reduction of line loss after series Reduction of corresponding power loss

#### Half chip design to increase output power

Compared with conventional components, the same quantity of battery chip, Power output increased by 3%

Module type	Half cell module	Common module
Cell efficiency	18.5%	18.5%
Cell quantity	144	72
Module power average(W)	327.45	317.99

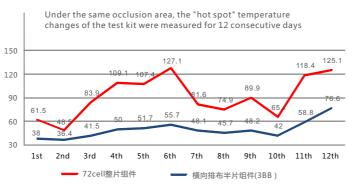




Laying Out

Parallel design, reducing the temperature of hot spot effectively Compared with the conventional components Heat spot temperature reduced by 1/2~1/3

Module type	Half cell module	Common module
Module T/°C	43.3	47
Hot spot cells/°C	49.4	91.1
Highest cells/°C	76.6	127.1



# Certification









2017





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