


迪拜时速250公里“超级巴

Dubai 250KM-Speed Super



2014年3月电动汽车界最令人震撼且难忘的事件，莫过于迪拜“超级巴士”的投入运营。不仅因为其极度奢华，更因为其采用电力驱动，最高时速达到了155英里，即250公里。

此事令业界惊愕，让行家疑虑。人们关心这个庞然大物的电力驱动系统核心——电池来自何方？

知情人士透露，这辆超级巴士的电池来自中国雷天温斯顿！

设计制造血统纯正

“超级巴士”项目始于2004年，由荷兰代尔夫特大学研发，项目领导人是乌波·欧克斯，他于1985年登上美国挑战者号航天飞船，是荷兰第一位宇航员。该项目同时获得荷兰政府、美国陶氏化学公司和沙特基础工业公司等多方面的支持。

曾经的F1豪门宝马威廉姆斯车队的技术专家安东尼

In March 2014, the most striking event in the field of the electric car was that Dubai put the super bus into operation. In addition to its luxury, this bus is power-driven with the top speed of 155 miles, or 250 kilometers.

The industry was surprised, and the expert felt confusing. Where does the battery driving it come from?

Insiders reveal that the battery used in this super bus is from Thunder Sky – Winston of China!

Excellent design and manufacture

"Super bus" project, which began in 2004, was researched and

士”温斯顿电池“神来之笔”

Bus Uses Winston Battery



文/阿Lam Text/Lam

娅·塔拉齐，是“超级大巴”的首席设计师，她认为，超级巴士悉数解决了传统巴士在机动性、空间规划、服务细

developed by the Dutch Delft University. The project leader was Wubbo Ockels. He was aboard the space shuttle Challenger in 1985 and is the first astronaut in the country. The project also won the support from

节以及环境需求等方面所面临的所有挑战。“和普通汽车没区别，可当做通勤车使用。通勤者将可以用手机在线预定乘坐‘超级巴士’，然后被巴士直接运到他们想去的地方。”安东尼亚·特尔齐表示。

超级巴士在荷兰研制，而阿联酋的一位酋长成为该款巴士的首个客户，他计划将“超级巴士”投入迪拜和阿布扎比之间的通勤运营，全程120公里，耗时30分钟。

阿联酋阿布扎比交通警察长官侯赛因说：“像这样的电力驱动交通工具，将不仅减轻现在的交通拥堵，还能缓解空气污染。电力汽车是现今适用的交通方式，我们希望看到更多这样的汽车。”迪拜道路与交通部主任帕勒姆说：“该车虽然售价太高不适用于公共交通工具，但它确实很适合通勤，也适合旅游观光。”

内外装饰极度奢华

超级巴士可谓极度奢华，只能承载23人。

车体外部由碳纤维制成，车身轻巧，其长15英尺，宽2.5米，与普通大巴相差无几，但车身高只有1.65米。整辆车有6个轮子，乍一看就像是某种介于蝙蝠侠座驾和拉长性豪华轿车之间的变形。

内部配置的设施相当完备，既有安全带、安全气囊、电视、互联网、空调等，还有自动导航、障碍物侦测、通信、安全控制等高科技系统。每个座位均配有多媒体影院和“马具式”安全带。

此外，超级巴士有16扇海鸥翅膀一样的侧门，方便乘客进出，乘客可以不必像普通公交车一样只能从一扇门进，从一扇门出。这款客车还能智能化地安排行驶路线，乘客可以通过网络或手机预订座位，巴士将去接他们并在目的地停车。

超级巴士单车售价高达7000万人民币。且必须为其修建专用公路才能施展拳脚。



Dutch government, Dow Chemical Company and so forth.

Antonia is the chief designer of the super bus. As a former BMW Williams F1 technical expert, she thinks that the super bus solves all the challenges facing traditional buses in mobility, space planning, service details, and environmental requirements. She says, "Not different from a regular car, it can be used as a commuter car. Commuters will be able to use mobile phones online in selecting the super bus; and then it can directly take them to where they want to go." The first customer for the super bus is from United Arab Emirates (UAE). He put it into operation between Dubai and ABU DHABI. It takes 30 minutes in the full course of 120 km.

Traffic police chief Hussein from ABU DHABI said, "This super bus electrically driven can not only reduce the traffic jams, but also reduce air pollution. The electric car is now applicable mode of transportation, so we would like to see more of these cars." Dubai Road and Traffic Director Salem said: "It does not apply to public transportation due to a high price, but it is very suitable for commuting and also suitable for tourism."

Inside and outside decoration is extremely luxury

The super bus is extremely luxury and only carries 23 people.

Exterior of the car is made from carbon fiber, so it is light in weight. It is 15 feet long, and 2.5 meters wide, so it is like a regular bus in size. It is only 1.65 meters high. The car has six wheels, at first glance, it is like a stretched limousine.

The internal configuration is quite complete. It has seat belts and airbags, TV, Internet, air conditioning, automatic navigation, obstacle detection, communication, security control and other high-tech systems. Each seat is equipped with the multimedia theater and the "harness type" seat belt.

In addition, the super bus has 16 gull-wing-like side doors bring convenience for the passengers. In a regular bus, passengers have to be out from one door and in from another. This bus can smartly arrange the run route. Passengers can use the Internet or mobile phone in reserving seats. The bus can pick up them and stop at the destination. Super bus prices up to 70 million RMB yuan and runs along a special road. So far, the research and development of the project has cost around 11.5 million pounds (\$19 million).

Power battery is used

Super bus' s highlight is that it is electric, so it is truly green. The battery it uses is from Thunder Sky - Winston. This battery is a kind of massive monomer rare-earth lithium ion battery, which can provide 530 horsepowers and a top speed of 155 miles, i.e. about 250 kilometers. Passengers aboard the super bus like sitting in a luxury car or plane.

Over the years, Winston Chung a battery king called in this field has led the development of Winston battery tech which is at the leading position in the world. This tech has produced a wide range of influence in the world.

In 2010, a team of students from departments of mechanical engineering and electronic engineering at Imperial College London with a great ideal set up RGE project and cooperated with a British sports car firm to create SR-Zero sports pure electric car which used the batteries from Thunder Sky - Winston. July 3 in this year, they drove this sports car from Alaska Prudhoe Bay as the starting





到目前为止，该项目的研发已经耗资约1150万英镑(约合1900万美元)。

动力电池心脏强劲

超级巴士最大的看点是其采用了电力驱动，是名副其实的绿色交通工具。它采用的电池来自中国雷天温斯顿单体大容量稀土锂电池，可输出530制动马力，最高时速达155英里，约合250公里。乘客搭乘这样的“超级巴士”，等于坐在豪华轿车或私人飞机一样。

多年来，被业界称为“电池大王”的钟馨稼先生，领衔雷天温斯顿的电池技术一直处于国际领先地位，在世界产生广泛的影响。

2010年，英国伦敦帝国学院电子工程和机械工程系的一群具有伟大理想的学生，成立“绿色耐力赛车”(RGE)项目，与英国激进跑车公司合作，采用雷天温斯顿稀土锂电池，装备纯电动跑车“SR-Zero”，于当年7月3日，以美国阿拉斯加州的普拉德霍湾为起点，穿越美洲的泛美洲公路，途经14个国家，80多天后抵达阿根廷的乌斯怀亚终点，全程26000公里。

2010年，美国MVP房车公司开发出世界第一辆稀土锂电池纯电动房车，命名为温斯顿1号，一次充电续行430公里，在美国最大的房车博览会展示，并且获准在美国加州高速公路上行驶。纯电动房车计划使得MVP房车前往华盛顿特区，并作为与中国的贸易合作机遇而被白宫的一份报告提及。

2012年，第41届达喀尔拉力赛上，拉脱维亚奥斯卡车队驾驶的增程式电动赛车OSCareO由雷天温斯顿提供电池，在8400公里的赛程上纵横驰骋，顺利抵达终点秘鲁首都利马，震惊世界！这是达喀尔拉力赛历史上第一辆绿色赛车。

实际上，钟馨稼院士从事电池研究已经近30年。其研发的稀土锂电池最大特点就是单体容量大，目前已形成40安时至10000安时系列产品；安全性能高，在各种滥用环境下，甚至枪击都不会爆炸；大电流充电不影响电池使用寿命；工作温度宽，在零下40度至零上85度范围可正常使用；一致性好，钟先生自己设计的自动生产工艺简洁易行，解决了电池一致性的问题；绿色环保无污染，使用特殊工艺——水性粘结剂，稀土锂电池完全是无毒无害的绿色电池，且可以实现回收再利用。

目前，稀土锂电池出口世界100多个国家和地区。2014年的生产订单已经排到下半年。

point, through the Pan-American highway across 14 countries to Ushuaia of Argentina. It ran 26000KM and took more than 80 days.

In 2010, in the United States, the MVP developed the world's first electric RV using rare earth lithium-ion batteries. This car is named Winston No.1. It can run 430KM after one charge. It was showed America RV Exposition and allowed to run in California highway in the United States. Pure electric recreation car program made the MVP RV to Washington, D.C., and was mentioned as trade opportunities with China in a report from White House.

In 2012, in the 41st Dakar Rally, Latvia Oscar Team drove OSCareO electric car whih used Thunder Sky - Winston battery. This car ran along a course of 8400KM and arrived at the destination smoothly in Lima, Peru. This shocked the world! This is the first green car in the history of Dakar Rally.

In fact, Winston Chung has engaged in battery research for nearly 30 years. For the rare earth lithium batteries he develops, the most significant features are below: (1) High monomer capacity. At present, a series from 40 AH to 1000 AH has been formed. (2) Excellent safety. Under all kinds of abuse, and even shooting, they will not explode. (3) Wide working temperature. These products can be used at a range of 40 degrees below zero to 85 degree above zero. (4) Excellent consistency. The auto process designed by Winston Chung is simple and concise, which solves a problem about battery consistency. (5) Products are green and environmentally friendly. The special process - water-based adhesive makes the rare earth lithium-ion batteries green, recyclable and non-toxic.

At present, rare earth lithium-ion batteries are exported to more than 100 countries and regions of the world. Production orders have been arranged until the second half of 2014.

