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上海紫羲科技有限公司

紫羲众享®
ZIXI ZHONG XIANG

紫羲众享
ZIXI ZHONG XIANG

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A型 系列发电机

产品特点 Features

- **安全性**：叶片主要受力点集中于轮毂，因此叶片脱落、断裂和叶片飞出等问题得到了较好的解决；
- **回转半径**：由于其设计结构和运转原理的不同，比其他形式风力发电具有更小的回转半径，节省了空间，同时提高了效率；
- **发电曲线特性**：启动风速低于其他形式的风力发电机，发电功率的上升幅度较平缓，因此在5～8米风速范围内，它的发电量较其他类型的风力发电机高10%～30%；
- **刹车装置**：叶片本身有转速保护，同时可配置机械手动和电子自动刹车两 种，在无台风和超强阵风的地区，仅需设置手动刹车即可；
- **机壳选用合金铝**，体积小，重量轻，外型美观，运行振动低。
- **法兰安装**，强度好，方便安装和维修。
- **叶片材质尼龙叶片**，配以优化的气动外形设计和结构设计，启动风速低，风能利用系数高，增加了年发电量。
- **尾舵采用自动迎风设计**，直尾式，抗台风能力强，运行安全可靠。
- **发电使用专利技术的钕铁硼永磁转子交流发电机**，特殊的定转子设计，有效地降低发电机的阻转矩，同时使用风轮与发电机有更为良好的匹配特性，机组运行的可靠性。
- **可选配最大功率跟踪智能型控制器**，有效调节电流电压

- Security. Using the vertical blade and triangular double-fulcrum design, the main force points concentrated in the hub, so bla
- Rotation radius. Because of its design structure and special operating principle, it has a smaller radius of rotation than other types of wind turbines, it saves space, while improving efficiency.
- Power generation curve characteristics. Start wind speed is lower than other types of wind turbines, the power generation increasing rate is relatively gentle, so between 5–8 m/s range, it could produce 10% – 30% power than other types of wind turbines.
- Brake device. The blade itself has speed protection, and can configure manual mechanical and electronic brake meantime, in the absence of typhoon and super gust area, manual brake is enough.
- Aluminium alloy steel housing material leads small volume & light weight. Beautiful appearance, low running vibration.
- Flange connection has high strength and easy installation and maintenance.
- Reinforce FRP blades, with optimized aerodynamic shape design and structural design, low start-up wind speed, higher wind energy utilization coefficient, and more annual power generation.
- The rudder adopts automatic yaw design, fold-tail type, it has stronger resistance to typhoon and is safe and reliable in operation.
- Patented NdFeB permanent magnet rotor alternator with special sub-design, effectively reduces the resistance torque of the generator, and at the same time makes better matching characteristics of the wind wheel and generator, and running reliability.
- optional maximum power tracking intelligent controller, could adjusts current effectively.

技术参数 Technical parameter

型号Model	XTL-A-100W	XTL-A-200W	XTL-A-300W	XTL-A-400W
额定功率Pated power	100W	200W	300W	400W
最大功率Max power	150W	250W	350W	450W
额定电压Rated voltage	12V/24V	12V/24V	12V/24V	24V
启动风速Start-up wind speed	2.0m/s	2.0m/s	2.0m/s	2.0m/s
额定风速Rated wind speed	13m/s	13m/s	13m/s	13m/s
安全风速Survival wind speed	35m/s	35m/s	35m/s	35m/s
叶片数量Number of blades	3/5片 3/5pieces			
叶片材料Blades material	尼龙纤维Nylon fiber			
机身材料Fuselage material	压铸铝Aluminum alloy			
发电机Generator	三相交流永磁同步发电机/磁悬浮发电机Three phase ac permanent magnet generator/Maglev generator			
控制系统Control System	电磁刹车 Electromagnetic brake			
偏航方式Yaw Mode	自动迎风角度The wind Angle automatically			
润滑方式Lubrication mode	自润滑 Self-lubricating			
塔架形式Tower form	拉索/独立塔架 Guyed tower/Independent tower			
工作温度Working temperature	-40℃-80℃			

A型 系列发电机

产品展示 Product display

XTL-A1

XTL-A2

XTL-A3

XTL-A4

B型 系列发电机

产品特点 Features

- **安全性**：叶片主要受力点集中于轮毂，因此叶片脱落、断裂和叶片飞出等问题得到了较好的解决；
- **抗风能力**：水平旋转使得它受风压力小，可以抵抗超强台风；
- **回转半径**：由于其设计结构和运转原理的不同，比其他形式风力发电具有更小的回转半径，节省了空间，同时提高了效率；
- **发电曲线特性**：启动风速低于其他形式的风力发电机，发电功率的上升幅度较平缓，因此在5～8米风速范围内，它的发电量较其他类型的风力发电机高10%～30%；
- **刹车装置**：叶片本身有转速保护，同时可配置机械手动和电子自动刹车两种，在无台风和超强阵风的地区，仅需设置手动刹车即可；
- **机壳选用A3钢**，体积小，重量轻，外型美观，运行振动低。
- **法兰安装**，强度好，方便安装和维修。
- **增强玻璃钢风轮叶片**，配以优化的气动外形设计和结构设计，启动风速低，风能利用系数高，增加了年发电量。
- **尾舵采用自动偏航设计**，折尾式，抗台风能力更强，运行安全可靠。
- **发电使用专利技术的钕铁硼永磁转子交流发电机**，特殊的子设计，有效地降低发电机的阻转矩，同时使用风轮与发电机有更为良好的匹配特性，机组运行的可靠性。
- **可选配最大功率跟踪智能型控制器**，有效调节电流电压

- Security. Using the vertical blade and triangular double-fulcrum design, the main force points concentrated in the hub, so bla
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技术参数 Technical parameter

型号Model	XTL-B-500W	XTL-B-600W	XTL-B-700W	XTL-B-800W	XTL-B-900W	XTL-B-1KW
额定功率Pated power	500W	600W	700W	800W	900W	1KW
最大功率Max power	550W	650W	730W	820W	1000W	1.2KW
额定电压Rated voltage	12V/24V	24V/48V	24V/48V	24V/48V	24V/48V	48V
启动风速Start-up wind speed	2.0m/s	2.0m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s
额定风速Rated wind speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
安全风速Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s
叶片数量Number of blades	3片 3 pieces					
叶片材料Blades material	尼龙纤维 Nylon fiber					
机身材料Fuselage material	压铸铝 Aluminum alloy					
发电机Generator	三相交流永磁同步发电机 Three phase ac permanent magnet generator					
控制系统Control System	电磁/风轮偏侧 Electromagnet/wind wheel yaw					
偏航方式Yaw Mode	自动迎风角度 The wind Angle automatically					
润滑方式Lubrication mode	自润滑 Self-lubricating					
塔架形式Tower form	拉索/独立塔架 Guyed tower/Independent tower					
工作温度Working temperature	-40℃-80℃					

B型 系列发电机

产品展示 Product display

XTL-B1

XTL-B1

XTL-B2

XTL-B3

ML型 XTL-ML

产品特点 Features

- **安全性**：叶片主要受力点集中于轮毂，因此叶片脱落、断裂和叶片飞出等问题得到了较好的解决；
- **抗风能力**：水平旋转使得它受风压力小，可以抵抗超强台风；
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- **刹车装置**：叶片本身有转速保护，同时可配置机械手动和电子自动刹车两种，在无台风和超强阵风的地区，仅需设置手动刹车即可；
- **机壳选用A3钢**，体积小，重量轻，外型美观，运行振动低。
- **法兰安装**，强度好，方便安装和维修。
- **增强玻璃钢风轮叶片**，配以优化的气动外形设计和结构设计，启动风速低，风能利用系数高，增加了年发电量。
- **尾舵采用自动偏航设计**，折尾式，抗台风能力更强，运行安全可靠。
- **发电使用专利技术的钕铁硼永磁转子交流发电机**，特殊的子设计，有效地降低发电机的阻转矩，同时使用风轮与发电机有更为良好的匹配特性，机组运行的可靠性。
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- optional maximum power tracking intelligent controller, could adjusts current effectively.

技术参数 Technical parameter

型号Model	XTL-ML-1KW	XTL-ML-2KW	XTL-ML-3KW
额定功率Pated power	1KW	2KW	3KW
最大功率Max power	1.5KW	2.5KW	4KW
额定电压Rated voltage	24V/48V	48V/96V	48V/96V
启动风速Start-up wind speed	3m/s	3m/s	3m/s
额定风速Rated wind speed	12m/s	12m/s	12m/s
安全风速Survival wind speed	45m/s	45m/s	45m/s
叶片数量Number of blades	3片 3 pieces		
叶片材料Blades material	增强玻璃钢 FRP strengthened		
机身材料Fuselage material	优质合金钢 High quality alloy steel		
发电机Generator	三相交流永磁 PM，three phase,AC		
控制系统Control System	电磁 Electromagnetic brake		
偏航方式Yaw Mode	自动迎风调节式 Automatic upwind regulation		
润滑方式Lubrication mode	自润滑 Self-lubricating		
塔架形式Tower form	独立塔架 Independent tower		
工作温度Working temperature	-40℃-80℃		

DL型 XTL-DL

产品特点 Features

- **安全性**：叶片主要受力点集中于轮毂，因此叶片脱落、断裂和叶片飞出等问题得到了较好的解决；
- **抗风能力**：水平旋转使得它受风压力小，可以抵抗超强台风；
- **回转半径**：由于其设计结构和运转原理的不同，比其他形式风力发电具有更小的回转半径，节省了空间，同时提高了效率；
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- **刹车装置**：叶片本身有转速保护，同时可配置机械手动和电子自动刹车两种，在无台风和超强阵风的地区，仅需设置手动刹车即可；
- **机壳选用A3钢**，体积小，重量轻，外型美观，运行振动低。
- **法兰安装**，强度好，方便安装和维修。
- **增强玻璃钢风轮叶片**，配以优化的气动外形设计和结构设计，启动风速低，风能利用系数高，增加了年发电量。
- **尾舵采用自动偏航设计**，折尾式，抗台风能力更强，运行安全可靠。
- **发电使用专利技术的钕铁硼永磁转子交流发电机**，特殊的子设计，有效地降低发电机的阻转矩，同时使用风轮与发电机有更为良好的匹配特性，机组运行的可靠性。
- **可选配最大功率跟踪智能型控制器**，有效调节电流电压

Security. Using the vertical blade and triangular double-fulcrum design, the main force points concentrated in the hub, so bla

Wind resistance. Horizontal rotation makes it only bears a small wind pressure, so that it can withstand super typhoon.

Rotation radius. Because of its design structure and special operating principle, it has a smaller radius of rotation than other types of wind turbines, it saves space, while improving efficiency.

Power generation curve characteristics. Start wind speed is lower than other types of wind turbines, the power generation increasing rate is relatively gentle, so between 5–8 m/s range, it could produce 10% – 30% power than other types of wind turbines.

Brake device. The blade itself has speed protection, and can configure manual mechanical and electronic brake meantime, in the absence of typhoon and super gust area, manual brake is enough.

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Reinforce FRP blades, with optimized aerodynamic shape design and structural design, low start-up wind speed, higher wind energy utilization coefficient, and more annual power generation.

The rudder adopts automatic yaw design, fold-tail type, it has stronger resistance to typhoon and is safe and reliable in operation.

Patented NdFeB permanent magnet rotor alternator with special sub-design, effectively reduces the resistance torque of the generator, and at the same time makes better matching characteristics of the wind wheel and generator, and running reliability.

optional maximum power tracking intelligent controller, could adjusts current effectively.

技术参数 Technical parameter

型号Model	XTL-DL-1KW	XTL-DL-2KW	XTL-DL-3KW	XTL-DL-5KW	XTL-DL-10KW
额定功率Pated power	1KW	2KW	3KW	5KW	10KW
最大功率Max power	1.5KW	2.5KW	4KW	7KW	13KW
额定电压Rated voltage	24V48V	48V/96V	48V96V	120V/220V/360V	220V/360V
启动风速Start-up wind speed	3m/s	3m/s	3m/s	3m/s	3m/s
额定风速Rated wind speed	12m/s	12m/s	12m/s	10m/s	10m/s
安全风速Survival wind speed	35m/s	35m/s	35m/s	35m/s	35m/s
转速Rotational speed	500r/m	400r/m	400r/m	300r/m	200r/m
叶片数量Number of blades	3片3 pieces				
叶片材料Blades material	增强玻璃钢 FRP strengthened				
机身材料Fuselage material	优质合金钢 High quality alloy steel				
发电机Generator	三相交流永磁 PM，three phase,AC				
控制系统Control System	电磁 Electromagnetic brake				
偏航方式Yaw Mode	自动迎风调节式 Automatic upwind regulation				
润滑方式Lubrication mode	自润滑 Self-lubricating				
塔架形式Tower form	拉索/独立塔架 Guyed tower/Independent tower				
工作温度Working temperature	-40℃-80℃				

DLK型 XTL-DLK

产品特点 Features

超声波风速风向仪

常规机械式风速风向仪结构简单，内部旋转件存在磨损损耗，易被风沙损耗，同时易受冰冻、雨雪干扰。而采用全新的超声波风速风向仪无机械式的摩擦损耗，具有结构小巧紧凑，受外界影响低，可靠性高，用于精确检测实时风况。

太阳能航空指示灯

替代传统指示灯，无需接外部电源，节省安装空间。此装置采用硅太阳能电池板、多层LED光源于一体组成，高效率硅太阳能物理电池板供大容量免维护蓄电池储电，为闪光器在夜晚闪光提供电力能源。

不锈钢球避雷针

整体采用SUS304不锈钢，抗锈蚀、造型优美、结构简单、安装方便。可用于直击雷防护，保护角度广，抗风能力强。

智能自动灭火材料集成贴

此产品为消防行业的创新性发明，是一套简单且高度可靠的独立自动灭火装置。无需任何电源，无需专门的烟、温感控制器，无需负责的设备及管线，只需粘贴在设备内部，即可准确、有效地探测及扑灭货源，将祸患扼杀在最初阶段。

自动黄油加注器

替代传统的需人工手动给轴承加注黄油的步骤，由程序自动控制，准时、精准的给轴承部位加注黄油。

Ultrasonic anemometerThe structure of conventional mechanical anemometer is simple, and the internal rotating parts are easy to be damaged by sand, freezing, rain and snow. The new ultrasonic anemometer has no mechanical friction loss, compact structure, low external influence and high reliability, which is used for accurate detection of real-time wind conditions.

Solar aviation indicatorReplace the traditional indicator light, no need to connect external power, save installation space. The device is composed of silicon solar panel and multi-layer LED light source. The high-efficiency silicon solar physical panel provides power storage for large capacity maintenance free battery, and provides power energy for the flasher to flash at night.

Stainless steel ball lightning rodThe overall use of SUS304 stainless steel, corrosion resistance, beautiful shape, simple structure, easy installation. It can be used for direct lightning protection with wide protection angle and strong wind resistance.

Intelligent automatic fire extinguishing material integration pasteThis product is an innovative invention of the fire industry, is a simple and highly reliable independent automatic fire extinguishing device. Without any power supply, no special smoke and temperature controller, no responsible equipment and pipelines, just pasted inside the equipment, it can accurately and effectively detect and extinguish the source of goods, strangle the disaster in the initial stage.

Automatic grease feederInstead of the traditional manual step of filling grease to the bearing, it is automatically controlled by the program to fill grease to the bearing on time and accurately.

技术参数 Technical parameter

型号Model	DLK-10KW	DLK-20KW	DLK-30KW	DLK-50KW	DLK-60KW	DLK-80KW	DLK-100KW	DLK-200KW	DLK-300KW	DLK-500KW
额定功率Pated power	10KW	20KW	30KW	50KW	60KW	80KW	100KW	200KW	300KW	500KW
最大功率Max power	15KW	30KW	40KW	60KW	70KW	90KW	110KW	220KW	330KW	550KW
额定电压Rated voltage	360V	360V	360V	360V	360V	360V	360V	360V	360V	360V
启动风速Start-up wind speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s
额定风速Rated wind speed	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s	10m/s
安全风速Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s
叶片数量Number of blades	3片 3 pieces									
叶片材料Blades material	增强玻璃钢 FRP strengthened									
机身材料Fuselage material	优质合金钢 High quality alloy steel									
发电机Generator	三相交流永磁发电机 Three phase AC permanent magnet generator									
控制系统Control System	电控偏航保护 Electronically controlled yaw protection									
偏航方式Yaw Mode	电控偏航迎风 Electronically controlled yaw upwind									
润滑方式Lubrication mode	自润滑 Self-lubricating									
塔架形式Tower form	独立塔架 Independent tower									
工作温度Working temperature	-40℃-80℃									

H型 系列发电机

产品特点 Features

◎**安全性**
采用了垂直叶片，主要受力点集中于轮毂，因此叶片脱落、断裂和叶片飞出等问题得到了较好的解决；
◎**噪音**
采用了水平面旋转以及叶片应用飞机机翼原理设计，使得噪音降低到在自然环境下测量不到的程度；
◎**抗风能力**
水平旋转和垂直平板叶片原理，使得它受风压力小，可以抵抗超强台风；
◎**回转半径**
由于其设计结构和运转原理的不同，比其他形式风力发电具有更小的回转半径，节省了空间，同时提高了效率；
◎**发电曲线特性**
启动风速低于其他形式的风力发电机，发电功率的上升幅度较平缓，因此在5～8米风速范围内，它的发电量较其他类型的风力发电机高10%～30%；
◎**利用风速范围**
采用了特殊的控制原理，使它的适合运行风速范围扩大到2.5～25m/s，在最大限度利用风力资源的同时获得了更大的发电总量，提高了风电设备使用的经济性；
◎**刹车装置**
叶片本身有转速保护，同时也配置电磁刹车。

◎**Security**. Using the vertical blade and triangular double-fulcrum design, the main force points concentrated in the hub, so blade lose, broken and leaf flying-out and other issues have been a better solved.
◎**Noise**. The use of horizontal rotation and blade application aircraft wing design, making the noise reduced to an unperceivable level in natural environment.
◎**Wind resistance**. Horizontal rotation and triangular double fulcrum design make it only bear a small wind pressure, so that it can withstand super typhoon.
◎**Rotation radius**. Because of its design structure and special operating principle, it has a smaller radius of rotation than other types of wind turbines, it saves space, while improving efficiency.
◎**Power generation curve characteristics**. Start wind speed is lower than other types of wind turbines, the power generation increasing rate is relatively gentle, so between 5 to 8 meters wind speed range, it could produce 10% – 30% power than other types of wind turbines.
◎**Effective wind speed range**. special control principle makes its effective wind speed range expened to 2.5 – 25m / s, in the maximum use of wind resources, obtain a higher power generation, improve wind power investment economics.
◎**Brake device**. The blade itself has speed protection, and can configure manual mechanical and electronic brake meantime, in the absence of typhoon and super gust area, manual brake is enough.

技术参数 Technical parameter

型号Model	XTL-H-100W	XTL-H-200W	XTL-H-300W	XTL-H-500W	XTL-H-600W	XTL-H-800W
额定功率Pated power	100W	200W	300W	500W	600W	800W
最大功率Max power	150W	250W	350W	550W	700W	900W
额定电压Rated voltage	12V/24V	12V/24V	12V/24V	24V/48V	24V/48V	24V/48V
启动风速Start-up wind speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s
额定风速Rated wind speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
安全风速Survival wind speed	40m/s	40m/s	40m/s	40m/s	40m/s	40m/s

型号Model	XTL-H-1KW	XTL-H-2KW	XTL-H-3KW	XTL-H-4KW	XTL-H-5KW	XTL-H-10KW
额定功率Pated power	1KW	2KW	3KW	4KW	5KW	10KW
最大功率Max power	1.5KW	2.5KW	3.5KW	5KW	6KW	12KW
额定电压Rated voltage	24V/48V/96V	48V/96V	48V/96V/120V	48V/96V/120V	96V120V/220V	220V/380V
启动风速Start-up wind speed	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s	2.5m/s
额定风速Rated wind speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
安全风速Survival wind speed	40m/s	40m/s	45m/s	45m/s	45m/s	45m/s

H型 系列发电机

产品展示 Product display

XTL-H1

XTL-H1

XTL-H1

XTL-H1

H型 系列发电机

产品展示 Product display

XTL-H2

XTL-H2

XTL-H2

XTL-HQ1

垂直轴风力发电机

H型 系列发电机

产品展示 Product display

XTL-HQ1

XTL-HQ1

XTL-HQ2

XTL-HQ2

Q型 系列发电机

产品特点 Features

- **安全性** 采用了垂直叶片和三角形双支点设计，并且主要受力点集中于轮毂，因此叶片脱落、断裂和叶片飞出等问题得到了较好的解决；
- **噪音** 采用了水平面旋转以及叶片应用飞机机翼原理设计，使得噪音降低到在自然环境下测量不到的程度；
- **抗风能力** 整体叶片使用铝合金材质，水平旋转和三角形双支点设计原理，使得它受风压力小，可以抵抗超强台风；
- **回转半径** 由于其设计结构和运转原理的不同，比其他形式风力发电具有更小的回转半径，节省了空间，同时提高了效率；
- **发电曲线特性** 启动风速低于其他形式的风力发电机，发电功率的上升幅度较平缓，因此在5～8米风速范围内，它的发电量较其他类型的风力发电机高10%～30%；
- **利用风速范围** 采用了特殊的控制原理，使它的适合运行风速范围扩大到2.5～25m/s，在最大限度利用风力资源的同时获得了更大的发电总量，提高了风电设备使用的经济性；
- **刹车装置。** 叶片本身有转速保护，同时可配置机械手动和电子自动刹车两种，在无台风和超强阵风的地区，仅需设置手动刹车即可；

- **Security**. Using the vertical blade and triangular double-fulcrum design, the main force points concentrated in the hub, so blade lose, broken and leaf flying-out and other issues have been a better solved.
- **Noise**. The use of horizontal rotation and blade application aircraft wing design, making the noise reduced to an unperceivable level in natural environment.
- **Wind resistance**. Horizontal rotation and triangular double fulcrum design make it only bear a small wind pressure, so that it can withstand super typhoon.
- **Rotation radius**. Because of its design structure and special operating principle, it has a smaller radius of rotation than other types of wind turbines, it saves space, while improving efficiency.
- **Power generation curve characteristics**. Start wind speed is lower than other types of wind turbines, the power generation increasing rate is relatively gentle, so between 5 to 8 meters wind speed range, it could produce 10% – 30% power than other types of wind turbines.
- **Effective wind speed range**. special control principle makes its effective wind speed range expened to 2.5 – 25m / s, in the maximum use of wind resources, obtain a higher power generation, improve wind power investment economics.
- **Brake device**. The blade itself has speed protection, and can configure manual mechanical and electronic brake meantime, in the absence of typhoon and super gust area, manual brake is enough.

技术参数 Technical parameter

型号Model	Q-100W	Q-200W	Q-300W	Q-400W	Q-500W	Q-600W	Q-700W
额定功率Pated power	100W	200W	300W	400W	500W	600W	700W
最大功率Max power	150W	250W	350W	450W	550W	650W	750W
额定电压Rated voltage	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V/48V
启动风速Start-up wind speed	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s
额定风速Rated wind speed	10m/s	11.5m/s	13m/s	12m/s	12m/s	12m/s	12m/s
安全风速Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s

型号Model	Q-800W	Q-1KW	Q-1.5KW	Q-2KW	Q-3KW	Q-5KW	Q-8KW	Q-10KW
额定功率Pated power	800W	1KW	1.5KW	2KW	3KW	5KW	8KW	10KW
最大功率Max power	850W	350W	1.8KW	2.5KW	3.5KW	6KW	9KW	11KW
额定电压Rated voltage	12V/24V/48V	12V/24V/48V	12V/24V/48V	24V/48V/96V	48V/96V	48V/96V/220V	96V/220V	220/380V
启动风速Start-up wind speed	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s
额定风速Rated wind speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
安全风速Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s

Q型 系列发电机

产品展示 Product display

XTL-Q1

XTL-Q2

XTL-Q2

XTL-Q2

R型 系列发电机

产品特点 Features

安全性
采用了尼龙玻纤，有更好的柔韧性，因此叶片脱落、断裂和叶片飞出等问题得到了较好的解决；

噪音
采用了水平面旋转以及叶片应用飞机机翼原理设计，使得噪音降低到在自然环境下测量不到的程度；

抗风能力
水平旋转设计原理，使得它受风压力小，可以抵抗超强台风；

回转半径
由于其设计结构和运转原理的不同，比其他形式风力发电具有更小的回转半径，节省了空间，同时提高了效率；

发电曲线特性
启动风速低于其他形式的风力发电机，发电功率的上升幅度较平缓，稳定性更好。

利用风速范围
采用了特殊的控制原理，使它的适合运行风速范围扩大到2.5～25m/s，在最大限度利用风力资源的同时获得了更大的发电总量，提高了风电设备使用的经济性；

刹车装置
叶片本身有转速保护，同时可配置机械手动和电子自动刹车两种，在无台风和超强阵风的地区，更适合使用。

Security. Using the vertical blade and triangular double-fulcrum design, the main force points concentrated in the hub, so blade lose, broken and leaf flying-out and other issues have been a better solved.

Noise. The use of horizontal rotation and blade application aircraft wing design, making the noise reduced to an unperceivable level in natural environment.

Wind resistance. Horizontal rotation and triangular double fulcrum design make it only bear a small wind pressure, so that it can withstand super typhoon.

Rotation radius. Because of its design structure and special operating principle, it has a smaller radius of rotation than other types of wind turbines, it saves space, while improving efficiency.

Power generation curve characteristics. Start wind speed is lower than other types of wind turbines, the power generation increasing rate is relatively gentle, so between 5 to 8 meters wind speed range, it could produce 10% – 30% power than other types of wind turbines.

Effective wind speed range. special control principle makes its effective wind speed range expened to 2.5 – 25m / s, in the maximum use of wind resources, obtain a higher power generation, improve wind power investment economics.

Brake device. The blade itself has speed protection, and can configure manual mechanical and electronic brake meantime, in the absence of typhoon and super gust area, manual brake is enough.

技术参数 Technical parameter

型号Model	XTL-R-100W	XTL-R-200W	XTL-R-300W	XTL-R-500W	XTL-R-800W	XTL-R-1KW
额定功率Pated power	100W	200W	300W	500W	800W	1KW
最大功率Max power	150W	250W	350W	550W	900W	1.2KW
额定电压Rated voltage	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V
启动风速Start-up wind speed	2m/s	2m/s	2m/s	2m/s	2m/s	2m/s
额定风速Rated wind speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s
安全风速Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s	45m/s
叶片数量Number of blades	5片 5pieces					
叶片材料Blades material	尼龙纤维Nylon fiber					
机身材料Fuselage material	尼龙纤维Nylon fiber					
发电机Generator	三相交流永磁同步发电机/磁悬浮发电机Three phase ac permanent magnet generator/Maglev generator					
控制系统Control System	电磁刹车Electromagnetic brake					
偏航方式Yaw Mode	自动迎风角度The wind Angle automatically					
润滑方式Lubrication mode	自润滑 Self-lubricating					
塔架形式Tower form	拉索/独立塔架 Guyed tower/Independent tower					
工作温度Working temperature	-40℃-80℃					

R型 系列发电机

产品展示 Product display

XTL-R1

XTL-R2

XTL-R3

XTL-R3

V型 系列发电机

产品特点 Features

- **丰富的颜色**：白色，桔色，黄色，蓝色，绿色，混合色，可定制
- **一体式叶片设计确保更高的旋转稳定性。**
- **无芯PMG提供更低的启动扭矩**/风速和更长的使用寿命。
- **最大转速保护。**无论风速如何，不高于300RPM。
- **易于安装。**
- **48V可定制。**
- **设计使用寿命**10~15年。

- Rich colors: white, orange, yellow, blue, green, mixed, customizable.
- One-piece Blade design ensures higher rotational stability.
- Coreless PMG provides lower start torque/wind speed and longer service life.
- Maximum RPM protection. No higher than 300RPM, regardless of the wind speed.
- Easy installation, Screw & Play.
- 48V could be customized.
- Design service life 10~15 years.

技术参数 Technical parameter

型号Model	V-200W	V-300W	V-400W	V-500W	V-800W	V-1KW	V-2KW	V-3KW	V-5KW
额定功率Pated power	200W	300W	400W	500W	800W	1KW	2KW	3KW	5KW
最大功率Max power	250W	350W	450W	550W	880W	1.2KW	2.3KW	3.3KW	5.5KW
额定电压Rated voltage	12V/24V	12V/24V	12V/24V	12V/24V	12V/24V	48V/96V	48V/96V	48V/96V	48V/96V
启动风速Start-up wind speed	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.5m/s	1.3m/s	1.3m/s	1.5m/s	1.5m/s
额定风速Rated wind speed	12m/s	12m/s	12m/s	12m/s	12m/s	12m/s	11m/s	11m/s	11m/s
安全风速Survival wind speed	45m/s	45m/s	45m/s	45m/s	45m/s	40m/s	40m/s	45m/s	45m/s
叶片数量Number of blades	2/10片 2/10pieces								
叶片材料Blades material	增强玻璃钢、铝合金与碳纤维 Reinforced FRP、aluminum alloy and carbon fiber								
机身材料Fuselage material	8A3碳钢 8A3 Carbon steel								
发电机Generator	三相交流永磁同步发电机/磁悬浮发电机 Three phase ac permanent magnet generator/Maglev generator								
控制系统Control System	电磁 Electromagnetic brake								
偏航方式Yaw Mode	自动迎风角度 The wind Angle automatically								
润滑方式Lubrication mode	自润滑 Self-lubricating								
塔架形式Tower form	拉索/独立塔架 Guyed tower/Independent tower								
工作温度Working temperature	-40℃-80℃								

V型 系列发电机

产品展示 Product display

XTL-V1

XTL-V1

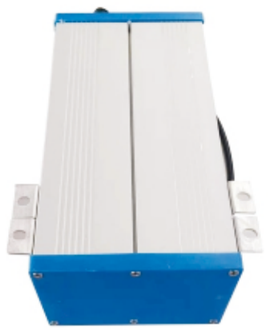
XTL-V2

XTL-V2

蓄电池

技术参数 Technical parameter

型号	容量20HR	尺寸	毛重KG
		长*宽*高*总高(mm)	
6-CNJ-24AH	26	165*125*174*195	9.4
6-CNJ-40AH	42	196*165*175*194	12.1
6-CNJ-50AH	52	285*169*176*196	15.2
6-CNJ-60AH	57	350*166*174*194	18.3
6-CNJ-65AH	68	350*166*174*194	19.7
6-CNJ-70AH	75	350*166*174*194	20
6-CNJ-80AH	85	328*172*215*235	25.1
6-CNJ-90AH	95	328*172*215*235	26.8
6-CNJ-100AH	105	328*172*215*235	28.5
6-CNJ-120AH	126	407*174*210*235	34
6-CNJ-150AH	156	485*170*240*260	41
6-CNJ-180AH	188	523*240*220*240	54.2
6-CNJ-200AH	208	523*240*220*240	56.4
6-CNJ-250AH	258	521*269*221*241	69



太阳能电池板(单晶)

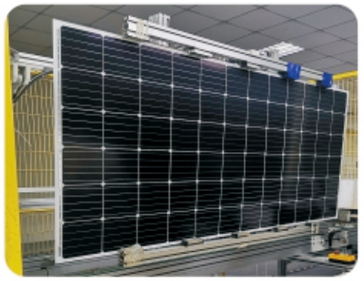
技术参数 Technical parameter

型 号 Model	最大功率 Pm(W)	最佳工作电压 Voc(V)	最佳工作电流 Im(A)	开路电压 Voc(v)	短路电流 Isc(A)	组件尺寸 W*L*H(mm)	眼 距 mm	重量 Weight(KG)
DYS-30w	30W	17.5	1.72	21.5	3.33	520*410*25	380*320	3
DYP-40w	40W	17.5	2.29	21.5	2.58	540*540*25	390*510	4
DYP-50w	50W	17.5	2.86	21.5	3..23	530*640*25	500*400	5
DYP-60w	60W	17.5	3.43	21.5	3.88	670*590*25	560*410	5.5
DYP-70w	70W	17.5	4	21.5	4.52	870*530*30	500*530	6
DYP-80w	80W	17.5	4.57	21.5	5.17	670*770*30	640*480	6.5
DYP-90w	90W	17.5	5.143	21.5	5.81	670*836*30	640*520	7
DYP-100w	100W	17.5	5.72	21.5	6.46	670*910*30	640*520	7.6
DYP-110w	110W	17.5	6.29	21.5	6.29	670*1020*30	640*630	8
DYP-120w	120W	17.5	6.86	21.5	7.75	670*1120*30	640*700	9
DYP-130w	130W	17.5	7.43	21.5	8.4	670*1190*30	640*910	10
DYP-140w	140W	17.5	8	21.5	9.04	670*1310*30	640*800	11
DYP-150w	150W	35	4.29	43	4.85	670*1410*30	640*810	12
DYP-160w	160W	35	4.58	43	5.17	670*1500*35	630*910 /630*555	13.5
DYP-170w	170W	35	4.86	43	5.49	670*1570*35	630*970 /630*600	14.5
DYP-180w	180W	35	5.14	43	5.81	670*1650*35	630*1020/630*630	16
DYP-190w	190W	35	5.42	43	6.14	670*1650*35	630*1010/630*630	16
DYP-200w	200W	35	5.72	43	6.46	990*1200*35	950*740	17

太阳能电池板(多晶)

技术参数 Technical parameter

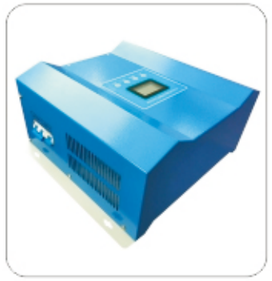
型号 Model	最大功率 Pm(W)	最佳工作电压 Voc(V)	最佳工作电流 Im(A)	开路电压 Voc(v)	短路电流 Isc(A)	组件尺寸 W*L*H(mm)	眼距 mm	重量 Weight(KG)
DYS-30w	30W	17.5	1.72	21.5	3.33	520*440*25	410*320	3
DYP-40w	40W	17.5	2.29	21.5	2.58	670*450*25	280*640	4
DYP-50w	50W	17.5	2.86	21.5	3..23	670*530*25	320*640	5
DYP-60w	60W	17.5	3.43	21.5	3.88	670*630*25	390*640	5.5
DYP-70w	70W	17.5	4	21.5	4.52	530*920*30	500*570	6
DYP-80w	80W	17.5	4.57	21.5	5.17	670*836*30	520*640	6.5
DYP-90w	90W	17.5	5.143	21.5	5.81	670*910*30	520*640	7
DYP-100w	100W	17.5	5.72	21.5	6.46	670*1020*30	630*640	7.6
DYP-110w	110W	17.5	6.29	21.5	6.29	670*1110*30	700*640	8
DYP-120w	120W	17.5	6.86	21.5	7.75	670*1190*30	730*640	9
DYP-130w	130W	17.5	7.43	21.5	8.4	670*1310*30	640*800	10
DYP-140w	140W	17.5	8	21.5	9.04	670*1410*30	810*640	11
DYP-150w	150W	35	4.29	43	4.85	670*1476*30	910*640 /560*640	12
DYP-160w	160W	35	4.58	43	5.17	670*1570*35	970*630 /600*630	13.5
DYP-170w	170W	35	4.86	43	5.49	670*1650*35	630*1010/630*630	14.5
DYP-180w	180W	35	5.14	43	5.81	990*1200*35	940*740	16
DYP-190w	190W	35	5.42	43	6.14	990*1320*35	940*800	16
DYP-200w	200W	35	5.72	43	6.46	990*1320*35	950*800	16

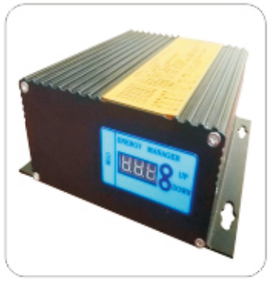


智能型高功率风光互补控制器系列

技术参数 Technical parameter

型号	规格	蓄电池电压（V）	备注
MAX-I1-WSII-02	风机最大额定功率200W 太阳能最大额定功率100W LED、数码管显示	12	Mppt 232风机电流和转速保护
MAX-I1-WSII-03	风机最大额定功率300W 太阳能最大额定功率100W LED、数码管显示	12	Mppt 232风机电流和转速保护
MAX-I1-WSII-04	风机最大额定功率400W 太阳能最大额定功率100W LED、数码管显示	12	Mppt 232风机电流和转速保护
MAX-I2-WSII-04	风机最大额定功率400W 太阳能最大额定功率200W LED、数码管显示	24	Mppt 232风机电流和转速保护
MAX-I2-WSII-06	风机最大额定功率600W 太阳能最大额定功率200W LED、数码管显示	24	Mppt 232风机电流和转速保护
MAX-I2-WSII-08	风机最大额定功率800W 太阳能最大额定功率200W LED、数码管显示	24	Mppt 232风机电流和转速保护
MAX-I2-WSII-10	风机最大额定功率1000W 太阳能最大额定功率200W LED、数码管显示	24	Mppt 232风机电流和转速保护
MAX-I4-WS-03	风机最大额定功率300W 太阳能最大额定功率100W LED、数码管显示	48	Mppt 232风机电流和转速保护
MAX-I4-WS-06	风机最大额定功率600W 太阳能最大额定功率200W LED、数码管显示	48	Mppt 232风机电流和转速保护
MAX-I4-WS-10	风机最大额定功率1000W 太阳能最大额定功率200W LED、数码管显示	48外置卸荷器	Mppt 232风机电流和转速保护
MAX-I48-W2K -1	2000W风机额定功率 LCD液晶显示	48	PWM模式 RS232通讯
MAX-I48-W3K -1	3000W风机额定功率 LCD液晶显示	48	PWM模式 RS232通讯
MAX-I96-W2K -1 MAX-I120-W2K -1	2000W风机额定功率 LCD液晶显示	96/120	PWM模式 RS232通讯
MAX-I96-W3K -1 MAX-I120-W3K -1	3000W风机额定功率 LCD液晶显示	96/120	PWM模式 RS232通讯
MAX-I96-W5K -1 MAX-I120-W5K -1	5000W风机额定功率 LCD液晶显示	96/120	PWM模式 RS232通讯
MAX-I220-W3K -1 MAX-I240-W3K -1	风机额定功率3000W LCD液晶显示	220/240	PWM模式 RS232通讯
MAX-I220-W5K -1 MAX-I240-W5K -1	5000W风机额定功率 LCD液晶显示	220/240	PWM模式 RS232通讯
MAX-I220-W10K -1 MAX-I240-W10K -1	10KW风机额定功率 LCD液晶显示	220/240	PWM模式 RS232通讯
MAX-I380-W5K -1	5KW风机额定功率 LCD液晶显示	380	PWM模式 RS232通讯
MAX-I380-W10K -1	10KW风机额定功率 LCD液晶显示	380	PWM模式 RS232通讯
MAX-IB380-W5K -1	5KW风机额定功率 LCD液晶显示	并网	PWM模式 RS232通讯 后备电源方案
MAX-IB380-W10K -1	10KW风机额定功率 LCD液晶显示	并网	PWM模式 RS232通讯 后备电源方案
MAX-IB380-W20K -1	20KW风机额定功率 LCD液晶显示	并网	PWM模式 RS232通讯 后备电源方案





NQ系列逆变器

产品特点 Features

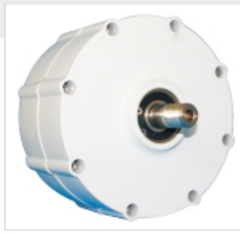
- NQ逆变器效率达到88%以上
- 全新外观设计，适应宽、窄电压，可自动识别频率；
- 全LED显示，可根据客户用途选择逆变器功能
- 3种工作模式可选：市电优先，逆变优先，节能模式
- 峰值启动功率3倍以上，带载能力卓越
- 智能风扇（根据内部温度，自动调节风扇转速）
- 采用工频技术，纯正弦波交流输出，适应负载能力强，空载电流更小，更节能
- 内置交流3段式充电模块，可根据电池容量和实际使用情况自动调整充电电流（5A-30A）
- 具有完善的电池欠压、过载、短路保护功能等全方位保护，安全可靠

产品展示 Product display

NQ系列逆变器

技术参数 Technical parameter

型号	直流电压	额定功率	尺寸	重量
NQ-05312	12V	500W	30.5x14.5x21cm	6.6KG
NQ-05324	24V			
NQ-06312	12V	600W	30.5x14.5x21cm	6.6KG
NQ-06324	24V			5.6KG
NQ-10312	12V	1000W	37x17x23cm	9.78KG
NQ-10324	24V			10.5KG
NQ-10348	48V		38.5x20.5x32.3cm	
NQ-15312	12V	1500W	37x17x23cm	11KG
NQ-15324	24V			11.5KG
NQ-15348	48V		38.5x20.5x32.3cm	
NQ-20324	24V	2000W	38.5x20.5x32.3cm	16.3KG
NQ-20348	48V			16.4KG
NQ-20396	96V			16.5KG
NQ-30324	24V	3000W	43x22x38cm	18.3KG
NQ-30348	48V			18.4KG
NQ-30396	96V		38.5x20.5x32.3cm	18.8KG
NQ-303220	220V			
NQ-40324	24V	4000W	45x24x40cm	21KG
NQ-40348	48V			
NQ-40396	96V			25KG
NQ-403220	220V		38.5x20.5x32.3cm	
NQ-50348	48V	5000W	45x24x40cm	28.7KG
NQ-50396	96V			31KG
NQ-503220	220V			32KG
NQ-60348	48V	6000W	45x24x40cm	33KG
NQ-60396	96V			35.7KG
NQ-603220	220V		55x26x72.5cm	
NQ-70348	48V	7000W	55x26x72.5cm	46KG
NQ-70396	96V			
NQ-703220	220V			
NQ-80396	96V	8000W	55x26x72.5cm	50.6KG
NQ-803220	220V			
NQ-100396	96V	10000W		67KG
NQ-1003220	220V			
NQ-150396	96V	15KW	55x26x72.5cm	72KG
NQ-1503220	220V			



永磁发电机

磁悬浮发电机

P永磁发电机 ermanent magnet generator

型号	XTL-1KW	XTL-1.5KW	XTL-2KW	XTL-2.5KW	XTL-3KW	XTL-5KW	XTL-10KW	XTL-15KW
额定功率	1KW	1.5KW	2KW	2.5KW	3KW	5KW	10KW	15KW
额定电压(v)	48v	48v	48v/96v	48v/96v	48v/96v	96v/120v/220v	96v-400v	96v-400v
额定转速	500r/m	500r/m	500r/m	500r/m	300r/m	300r/m	170r/m	170r/m
永磁发电机	三相交流永磁发电机	三相交流永磁发电机	三相交流永磁发电机	三相交流永磁发电机	三相交流永磁发电机	三相交流永磁发电机	三相交流永磁发电机	三相交流永磁发电机
绝缘等级	F	F	F	F	F	F	F	F
防护等级	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55
使用寿命	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years
表面处理	喷塑	喷塑	喷塑	喷塑	喷漆	喷漆	喷漆	喷漆
永磁材料	稀土钕铁硼	稀土钕铁硼	稀土钕铁硼	稀土钕铁硼	稀土钕铁硼	稀土钕铁硼	稀土钕铁硼	稀土钕铁硼
净重	18kg	23kg	25kg	40kg	70kg	80kg	180kg	230kg
发电机高度	190mm	220mm	220mm	250mm	290mm	290mm	320mm	400mm
发电机直径	190mm	190mm	190mm	235mm	358mm	358mm	530mm	530mm

M磁悬浮发电机 aglev generator

型号	XTL-20KW	XTL-25KW	XTL-30KW	XTL-30KW	XTL-50KW	XTL-50KW	XTL-100KW	XTL-100KW
额定功率	20KW	25KW	30KW	30KW	50KW	50KW	100KW	100KW
额定电压(v)	96v-400v	96v-400v	96v-400v	96v-400v	96v-400v	96v-400v	96v-400v	96v-400v
额定转速	180r/m	180r/m	78r/m	500r/m	78r/m	750r/m	60r/m	750r/m
永磁发电机	三相交流永磁发电机	三相交流永磁发电机	三相交流永磁发电机	三相交流永磁发电机	三相交流永磁发电机	三相交流永磁发电机	三相交流永磁发电机	三相交流永磁发电机
绝缘等级	F	F	F	F	F	F	F	F
防护等级	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55
使用寿命	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years	> 20 years
表面处理	喷漆	喷漆	喷漆	喷漆	喷漆	喷漆	喷漆	喷漆
永磁材料	稀土钕铁硼	稀土钕铁硼	稀土钕铁硼	稀土钕铁硼	稀土钕铁硼	稀土钕铁硼	稀土钕铁硼	稀土钕铁硼
净重	320kg	350kg	750kg	580kg	1050kg	700kg	1500kg	830kg
发电机高度	500mm	560mm	400mm	530mm	629mm	650mm	850mm	650mm
发电机直径	530mm	530mm	1025mm	423mm	1025mm	423mm	1025mm	490mm

S路灯 treet lamp

江苏风光互补路灯系统

内蒙古路灯

延安风光互补路灯

上海子母灯笼风光互补系统

福建风光互补路灯

江苏泰州风光互补路灯

上海香花桥风光互补路灯系统

M 监控 onitor

风光互补监控

边防监控

大丰风光互补监控

徐州风光互补监控

广东深圳-风光互补监控

风光互补路灯加监控

青岛风光互补监控

盐城大丰风光互补监控路灯一体供电系统

C 通讯基站 ommunication base station

新疆边防瞭望塔监控系统

赤峰风光互补通讯供电

内蒙古赤峰发射塔项目-风光互补通讯基站

F 森林防火 orest fire prevention

山西风光互补森林防火

S 智慧能源 mart energy

广东碧桂园智慧能源

C 民用 ivil

新疆供电系统风光互补供电系统

内蒙古风力发电系统

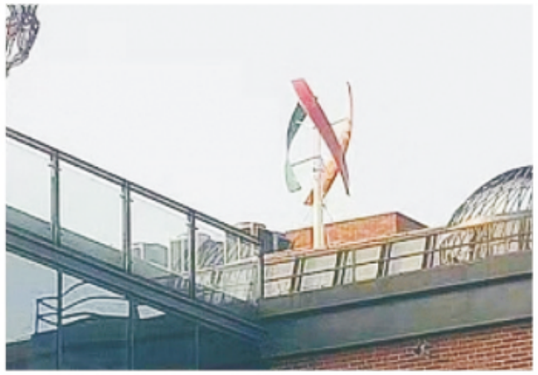
内蒙古风光互补供电系统

内蒙古鄂尔多斯风光力发电

宁夏银川风光互补供电系统

风光互补海岛供电

内蒙古鄂尔多斯风力发电系统



河南分布式风力发电

O 海上供电 ffshore power supply

W 水上监测 ater monitoring

水利监测

安徽风光互补水利监测

W 风光柴多能互补发电系统 ind, solar and diesel multi energy complementary power generation system

广东风光柴

江苏南京风光柴

美国风光柴

W 风力发电系统
ind power generation system

上海垂直轴分布式风力发电

哈尔滨屋顶供电--风力发电系统

韩国风力发电系统

河南分布式风力

迪拜

分布式风力发电

意大利30KW风力发电

O 离并网一体电站
ff grid integrated power station

福建大学风光互补离变一体电站

戈壁滩电站

S 太阳能发电系统
olar power generation system

新疆乌鲁木齐

新疆哈密

新疆喀什

新疆哈密太阳能发电

W 风光柴微电网系统
ind pv diesel micro grid system