

## 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**，强度高，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.
- ®A3 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 adjust current effectively.



## 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Rated 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/风轮偏航 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°C-80°C					