

ATB SEVER'S FIRST BULB TURBINE GENERATOR

This is regarded as one of the most successful milestones for ATB SEVER, a member of the WOLONG - ATB group. Our team of engineers did an excellent job in designing our first Bulb turbine generator.

The generator intended for use in mini bulb turbine projects. An asynchronous generator designed to run directly on the power line. That means the turbine must maintain a speed greater than the generator's synchronous speed. It can produce electricity with a nominal voltage of 400 V and a nominal frequency of 50 Hz due to its nominal power of 200kW and power factor of 0.81.



The bulb turbine arrangement encapsulates and seals the generator within a streamlined watertight steel housing mounted in the center of the water passageway. A propeller located at the bulb's downstream end propels the generator, Unlike the Kaplan turbine; water enters and exits this unit with little direction change.

Because of its compact nature, this design allows for greater flexibility in hydro power plant design. Bulb turbines, on the other hand, can be more difficult to service because they require special air circulation and cooling within the bulb.

