

ABS Alaskan, Inc. introduces ...

The LH-1000 Hydro Turbine

- Produces up to 1 kW of electricity
- High quality turbine at a low price
- Ultra low head (2 ft to 10 ft)



The LH1000 is an exciting hydro turbine that produces DC electrical power at sites with sufficient water flowing across relatively level terrain. The LH1000 uses a durable, low-head bronze propeller to produce power on a head of 2 to 10 feet. At 10 ft of head, the output from this turbine is one kilowatt, which is enough to supply the electrical requirements for an average household.

The LH1000 uses a permanent magnet alternator, which increases efficiency and performance while greatly reducing maintenance. This alternator is specifically designed for DC electrical output, eliminating the extra cost and inconvenience of an external turbine speed controller.

Water enters the LH1000 through the top guide vane assembly. As it falls through the turbine it turns the propeller, which spins the alternator, creating electricity. The water then exits the turbine through the draft tube, which is a sealed, tapered tube immersed in the tailwater. The draft tube creates a suction effect in the turbine, greatly increasing the turbine capacity.

The LH1000's light weight and small size allow for easy installation, portability, and quick removal during adverse conditions.

