



Length: 23 ft (7m); Width: 58 ft (17.6m); Height: 20 ft (6m)

TIDGEN[®] POWER SYSTEM

THE SYSTEM

ORPC's TidGen Power System is a 230 kW cross-flow turbine device positioned in the mid-water column and anchored to the seafloor with a three-point mooring system. It generates power from flows between 0.8 and 3.5 meters per second and features advanced composite materials designed for performance and component life.

ENVIRONMENTAL MONITORING

ORPC has an industry-leading record of environmental monitoring including acoustic, benthic, hydraulic and interaction studies. Recorded noise of ORPC power systems is below the NOAA Level B harassment threshold, and no injuries or mortalities to marine or aquatic life have been observed.

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FEATURES



No visible features above water surface



Designed to be installed with local vessels

PROVEN TECHNOLOGY

ORPC has performed 18 successful deployments of its patented turbine technology in riverine and tidal environments. This includes two previous iterations of the TidGen Power System in Cobscook Bay, Maine, home to some of the strongest tides in the U.S.