

ABSTRACT

INTELLIGENT DUAL DRIVE PUMP AND WATER SUPPLY SYSTEM

Disclosed are an intelligent dual drive pump and a water supply system. The intelligent dual drive pump comprises a pump housing, an impeller, motors, and a controller; the impeller is rotatably arranged in the pump housing, the motors are arranged at one of two respective sides of the pump housing, and the two motors are symmetrically arranged and configured to simultaneously drive the impeller to rotate; the controller is provided with a frequency conversion module used for adjusting a power supply frequency, and the frequency conversion module is configured to adjust the power supply frequency of the motors. A rotor and the impeller are coaxially arranged, the motors and the water pump are an integral whole, the head of the intelligent dual drive pump is increased, and the water supply efficiency of the intelligent dual drive pump is improved.

Figure 1