

Integrated Electric Motorcycle Drive System

Abstract

Disclosed is an integrated electric motorcycle drive system, including a motor housing. A controller, a motor, and a reducer are disposed in the motor housing. The controller and the reducer are located at two ends of the motor, respectively. By deeply integrating independent subsystems together, inherent drawbacks of traditional electric motorcycle drive systems are resolved. The integrated electric motorcycle drive system has advantages such as high power density, low noise, minimal torque fluctuation, and flexible configuration, and meets market requirements.

Fig 1