

ABSTRACT OF THE DISCLOSURE

An electric power system of an electric motorcycle includes a first charging connector having a first charging input port and a first power input port, a second charging connector having a second charging input port and a second power input port., a rechargeable battery, a communication module connected to the first power input port, a diode connected to the first power input port and the second power input port, a battery management module connected to the rechargeable battery, the communication module, the first charging input port, and the second charging input port, and a battery on-off control module. The battery on-off control module triggers the battery management module based on a predetermined power trigger of either the first power input port or the second power input port, so that a charging power outputted by the first charging input port or the second charging input port could charge the rechargeable battery.

FIG.1