

BATTERY-POWERED MOTORIZED SHOPPING TROLLEY

Prepared by: Chong Yong Hong

ABSTRACT

The idea is to design a battery-powered motorized shopping trolley capable of carrying a 150lb person (about 50 to 60kg) plus 30lb (about 15 to 20kg) of groceries around the aisles of supermarkets. The trolley should have a variable speed controller and the speed should be of moderate range and not causing any serious harm if accident will to be occurred. The design should also consider on how to stop the trolley and look into tip over problem.