

## ABSTRACT

### PORTABLE BATTERY PACK

A portable battery pack for use with a battery of a transport vehicle, the portable battery pack comprising a housing which includes a cable outlet for connecting a positive and a negative connector for coupling with positive and negative terminals of the battery of the transport vehicle. The housing includes an energy storage pack arranged to provide starting energy to the vehicle when an electrical connection is made between the energy storage pack and the battery. The housing includes a charger unit for receiving a supply voltage from an external power source to provide a charging voltage to charge the energy storage pack. The housing includes a circuit having a switch configured to open and close the circuit and a processor unit arranged for connection with the charger unit and the energy storage pack, wherein the processor unit controls the switch to operate between a charging mode in which the switch is open to allow the charger unit to provide charging voltage to charge the energy storage pack and a jump start mode in which the switch is closed to allow the energy storage pack to provide starting energy to the battery.

[Figure 3]