Battery Pack-v2

Rechargeable Battery Pack for PiStorms or EVShield.

How to connect BatteryPack to PiStorms

For connecting information, please review following post:
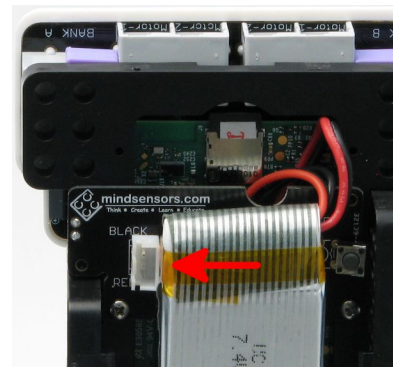
http://www.mindsensors.com/blog/pistorms/how-to-attach-rechargeable-battery-to-pistorms

Charging your Battery Pack

To charge your battery pack, connect the supplied wire (wire with white connectors on both ends) to connector as in adjacent picture.

Connect the other end of that wire to charger adapter.

There are Two battery cells in this pack, and two respective LEDs on the charging adapter will light up indicating charging status.

Fully charged up new battery will measure about 8.2 volts.

(It is normal for a partially used battery to measure below 8.2 volts, as the battery goes through several charge-discharge cycles, its capacity reduces).

Note: Keep Battery charged at regular intervals. DO NOT allow battery to discharge below 6.8 volts.

Over discharged battery may damage and will not hold charge any more.

If charging a damaged battery is attempted, it may swell or explode.

Do not attempt to charge a damaged battery.

Battery can over-discharge if not charged for extended period.

Battery circuit is designed to trip if over-discharge is attempted. If that happens, battery will not give any voltage output.

To reinstate the battery, charge the battery and then press the reset switch located on the edge of battery board.

Power Capacity and Run time

The Power capacity of the Battery Pack is about 1500 mAH.

Load Characteristics:

No Load (only Pi and PiStorms)	about 3 hours
Light Motor load	1.5 to 2 hours
Heavy Motor Load	1 hour or less