

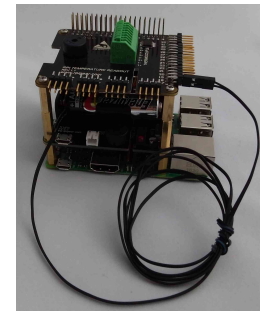
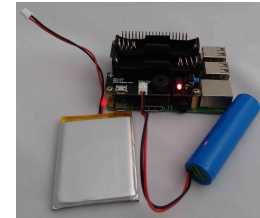
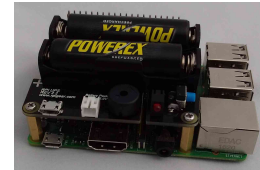
Raspberry Pi UPS Datasheet

Applications

- Robotics
- Home automation
- Remote sensing and telemetry

Main Features

- Operates from two AA batteries or a battery pack
- Supports Alkaline, NIMH, and Lithium batteries
- Integrated battery charger with auto and manual modes
- Stackable architecture and configurable I2C address allow the UPS to coexist with other daughter cards/hats.
- Advanced features for remote operation, including low power sleep mode and various wake up sources(battery level, timed alarm, USB power stable).
- UPS events logging to /var/log/messages



Specifications

Battery Input	2.0V – 5.0V
Battery Type	Alkaline, NIMH, Lithium
5V Output Current	Up to 2000mA, Note 1
Battery Charger Output Current	200mA max
DC/DC Power Supply Efficiency	85%, Note 2
Battery leakage current	4uA, UPS in sleep mode, USB power present 20uA, UPS is on and USB power present 60uA, UPS in sleep mode, USB power not present Note 3
Operating Temperature	-40C to 85C Note 1
Mechanical	Dimensions: 65mm x 57mm x 28mm Weight : 30g Battery Pack connector: 2mm pitch shrouded standard header

Note 1 : Sustained operation at high ambient temperatures and high output currents may require active cooling or derating. Batteries must be capable of sourcing the required current.

Note 2 : Measured with a 3.77V battery input, loads ranging from 500mA to 2000mA, at 23.1C ambient.

Note 3 : Measured with a 3.16V battery input, at 24.5C ambient.