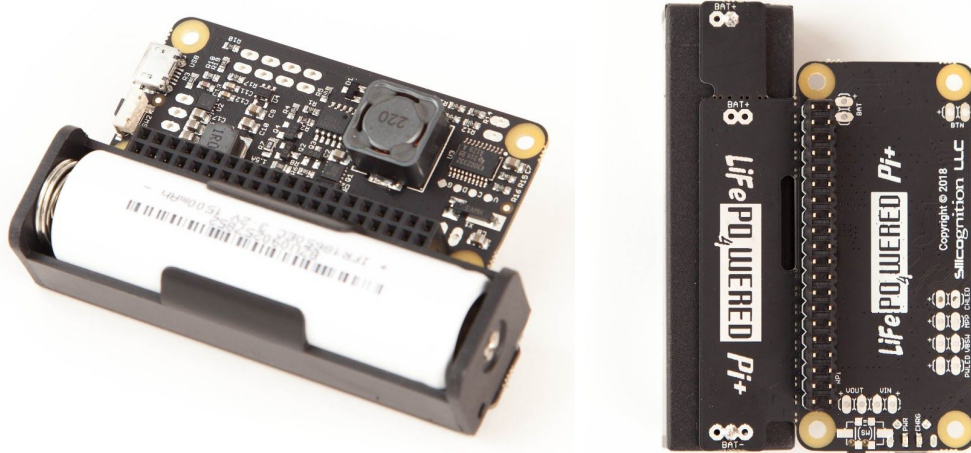# LiFePO4wered/Pi+ (18650 Battery) w/ Stackable Header

A full-featured LiFePO4 battery, power manager, and UPS for the Raspberry Pi

MFG PN: CS-LIFEPO-06
Mouser PN: 392-CS-LIFEPO-06

The LiFePO4wered/Pi+TM is a high performance battery power system for the Raspberry Pi. It can power a Raspberry Pi for up to 9 hours from the battery (depending on installed battery size, Raspberry Pi model, attached peripherals and system load) and can be left plugged in continuously.

- **Stackable header:** Allow other boards to be attached and powered.
- **High continuous load current:** Maximum 2 A continuous load current, both on battery or with external power.
- **Customizable MPPT functionality** making it possible to charge the LiFePO4wered/Pi+ from suitably sized 5 – 18 V nominal solar panels.
- A smart charge controller with **over-charge protection**, allowing the device to stay plugged in continuously and provide UPS (Uninterruptible Power Supply) functionality.
- **Smart auto-adjusting charge current:** allowing charge currents up to 1.5 A when used with high power chargers, but automatically reducing current as needed to not overload lower power sources such as a PC USB port.
- And more! See full Product Brief: https://lifepo4wered.com/files/LiFePO4wered-Pi+-Product-Brief.pdf

18650 Battery size: 1500 mAh 3.2 V LiFePO4 cell
Input Voltage: 5-20 V
Output Voltage: 5 V
Description/Function: A Full-Featured LiFePO4 Battery, Power Manager and UPS
Output Current: 2 A
Brand: Silicognition
Interface Type: I2C, USB
Compatibility: Raspberry Pi
Maximum Operating Temperature: + 50 C
Minimum Operating Temperature: 0 C

Unit Weight: 3.863910 oz
Physical dimensions: 52 mm x 75 mm

HTS: 8504407001
ECCN: EAR99

Related products:
392-CS-LIFEPO-01, 392-CS-LIFEPO-02, 392-CS-LIFEPO-03, 392-CS-LIFEPO-04 (previous revision), 392-CS-LIFEPO-05

Mouser Electronics

Authorized Distributor

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