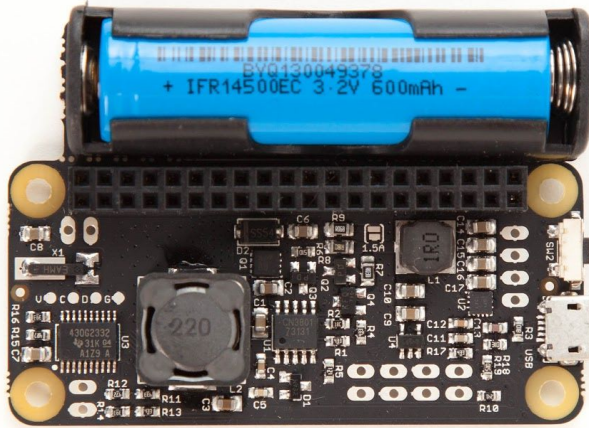# LiFePO4wered/Pi+ (14500 Battery) w/ Stackable Header

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

MFG PN: CS-LIFEPO-05
Mouser PN: 392-CS-LIFEPO-05

See above right for example of the product mounted on a Raspberry Pi.
A Raspberry Pi is not included with CS-LIFEPO-05.

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 0.75 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.
- **Two-way communication** between the power system and the Raspberry Pi over I2C bus (to monitor voltages and customize settings) and Raspberry Pi shutdown detection.
- And more! See full Product Brief: https://lifepo4wered.com/files/LiFePO4wered-Pi+-Product-Brief.pdf

14500 Battery size: 600 mAh, 3.2 V LiFePO4 cell
Input Voltage: 5-20 V
Output Voltage: 5 V
Output Current: 0.75 A
Description/Function: A Full-Featured LiFePO4 Battery, Power Manager and UPS
Brand: Silicognition
Interface Type: I2C, USB
Compatibility: Raspberry Pi
Maximum Operating Temperature: + 50 C
Minimum Operating Temperature: 0 C

Unit Weight: 2 oz
Physical dimensions: 47 mm x 65 mm

HTS: 8504407001
ECCN: EAR99

Related products:
392-CS-LIFEPO-01, 392-CS-LIFEPO-02,
392-CS-LIFEPO-03 (previous revision),
392-CS-LIFEPO-04, 392-CS-LIFEPO-06

Mouser Electronics

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