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Smart batteries. Lithium Iron Phosphate. Made in USA.

Quick Battery Overview

# SFK-275HP Lithium Battery

## Model 275HP

275 Amp Hours | Deep Cycle Lithium Iron Phosphate (LFP)

With the same usable power as 5 100 AH lead acid batteries, the SFK-275HP can replace your entire battery bank and has a service life of up to 15 years. Fully compatible with existing 12v infrastructure, it's a drop-in replacement that does not require new hardware or retrofits to your existing setup.



\*Twin pack shown.

The SFK-275HP is a real powerhouse; run fridges, hair dryers, coffee makers, electric cooktops, or even an rv a/c for 8-10 hours (requires 2x SFK-275HP). Enjoy clean consistent power wherever your adventures take you while having the assurance that your battery is built and serviced in the USA with an 8 year warranty.

### Overview

- ⚡ 12 volt fully backward compatible
- ⚡ 275AH / 3.6 kw capacity
- ⚡ 8 year USA warranty
- ⚡ Low/high temperature protection
- ⚡ 54 Lbs, 14.6" x 7.5" x 10.6" (L x W x H)
- ⚡ Can be wired up to 4 in series (48v dc)
- ⚡ Smart battery with Bluetooth compatibility
- ⚡ Fully serviceable & upgradeable

### Performance

- ⚡ 125 amp continuous discharge
- ⚡ 150 amp burst discharge
- ⚡ 1.8 kw peak power output
- ⚡ 13.6 volt nominal output
- ⚡ 80 amp charging capable
- ⚡ 5 amp active cell balancer
- ⚡ Automatic low/high voltage disconnect
- ⚡ Extremely low self-discharge rate

### Smart BMS

- ⚡ Medical grade BMS
- ⚡ Adjustable min/max SOC
- ⚡ Adjustable min/max power output
- ⚡ Soft switch to turn battery on/off
- ⚡ PIN code protected access
- ⚡ Analytics for power, voltage & temp
- ⚡ Apps available for IOS & Android

Questions? Call **225-289-6525** or email us at [cs@sunfunkits.com](mailto:cs@sunfunkits.com)



FCC ID: QDS-BRCM1078



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## 275 HP FAQs

### Do I need to change my charger/converter to use the SFK-275HP?

No, you do not need to make any changes, your existing setup will work just fine. If you have an AGM setting available, then simply select this, otherwise you can use the standard flooded/gel cell setting.

### How do I view battery settings?

Simply download the app **Sun Fun Kits BMS** from either the Google Play store or Apple App store, you will need a smartphone or tablet that supports Bluetooth (BLE).

### How do I store my SFK-275HP?

The SFK-275HP must always be kept upright; it **can not** be stored on its side. Make sure the terminals are properly secured and that you do not have water intrusion or excessive moisture in the area where the batteries are kept. If you are not planning on using your battery for a while we recommend bringing the battery to a 50% SOC.

### My inverter is 24volts, can this work with my setup?

Yes, our batteries can be connected up to 4 in series to make a 48v dc supply. For 24v, you will need 2 of the SFK-275HP.

### I have the SFK-260, can I pair it this?

Yes, you can, however, your total supply will be limited to 260 AH if you connect them in series; connecting them in parallel will give you the full capacity of the SFK-260 and SFK-275HP.

## Quick Installation Tips

- Please review the manual before proceeding, you can download the latest version from [www.sunfunkits.com](http://www.sunfunkits.com).
- The terminal bolts on your battery are 8mm, you can use either 8mm or 5/16" lugs.
- When installing terminal lugs, it is recommended to torque them to about 60 inch/lbs or 6 n/m.
- **Verify Terminal Polarity!** If you reverse the polarity of the battery terminal, you could permennant damage your battery.

### Voltage Vs Capacity

For a single battery at 0A

Voltage Levels	Remaining Capacity
14.4V	100%
13.6V	100%
13.4V	99%
13.3V	90%
13.2V	70%
13.1V	40%
13.0V	30%
12.9V	20%
12.8V	17%
12.5V	14%
12.0V	9%
10.0V	0%

Charging Resting

## Warranty

All Sun Fun Kits HP batteries come with an 8 year warranty. This includes 5 years of full replacement and 3 years of prorated coverage. Visit [www.sunfunkits.com](http://www.sunfunkits.com) for additional warranty information.



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