JH-8675 Lithium Battery Charger Protection Module (BMS) 1S 3A 3.7V with Nickel Strip

The **JH-8675 Lithium Battery Charger Protection Module (BMS)** is a high-performance, compact solution designed to **safely charge and protect 1S 3.7V lithium-ion batteries**. With a **3A charge and discharge current**, this module ensures that your lithium-ion battery packs operate **efficiently, reliably, and safely**. Perfect for **DIY electronics, portable devices, and small battery packs**, the JH-8675 offers advanced protection features that extend battery life and prevent damage caused by overcharge, over-discharge, or short circuits.

Equipped with a **pre-attached nickel strip**, this BMS simplifies battery assembly, providing secure and reliable connections. Its compact form factor makes it easy to integrate into small devices, while maintaining robust protection for your lithium-ion cells.

Key Features

- **Battery Type:** 1S Lithium-ion / Li-Po (3.7V nominal)
- **Charge & Discharge Current:** 3A, suitable for higher power devices
- **Protection Functions:** Overcharge, over-discharge, short-circuit protection
- **Pre-Attached Nickel Strip:** Simplifies assembly and ensures stable electrical connection
- **Compact Design:** Lightweight and space-saving, ideal for small electronics projects
- **Applications:** DIY battery packs, portable electronics, hobby projects

---

Benefits

- **Enhanced Battery Safety:** Protects lithium-ion batteries from overcharging, over-discharging, and short circuits, which can prevent potential hazards and improve battery lifespan.
- **High Current Capability:** Supports 3A charge and discharge, making it suitable for devices with moderate power consumption.
- **Simplified Installation:** Pre-attached nickel strip reduces assembly complexity and ensures reliable performance.
- **Durable and Compact:** Small form factor allows easy integration in tight spaces while maintaining high reliability.

- **Versatile Use:** Ideal for various electronics projects, from hobbyist builds to professional portable devices.

Applications

DIY Electronics Projects

Perfect for **custom 3.7V lithium-ion battery packs**, providing essential protection for Arduino, Raspberry Pi, and other small electronics projects.

Portable Devices

Ensures safe operation in portable devices such as **LED lights, small fans, power banks, and handheld gadgets**, delivering consistent and reliable energy.

Hobby and Maker Projects

Ideal for **makers, engineers, and hobbyists** who build their own battery packs or small electronics that require safe, controlled charging and discharging.

Emergency and Backup Systems

Can be integrated into **small backup power supplies or emergency kits**, providing safe and reliable power whenever needed.

Specifications

Specification	Details
Module Type	JH-8675 BMS
Battery Configuration	1S (3.7V Li-ion / Li-Po)
Charge Current	3A
Discharge Current	3A
Protection	Overcharge, over-discharge, short circuit
Included Accessories	Pre-attached nickel strip
Dimensions	Compact and lightweight for small devices

Installation and Usage Tips

- Ensure proper orientation when connecting the battery to avoid polarity issues.
- Use the pre-attached nickel strip for **secure and stable connections**.
- Avoid exceeding the rated 3A current to maintain module longevity.
- Ideal for **assembling single-cell lithium battery packs** for portable projects or hobby electronics.

Conclusion

The **JH-8675 Lithium Battery Charger Protection Module (BMS) 1S 3A 3.7V with Nickel Strip** is a **must-have for anyone building safe, reliable, and efficient lithium-ion battery packs**. Its **overcharge, over-discharge, and short-circuit protection** ensures batteries remain safe while extending their operational lifespan.

With a **compact design and pre-attached nickel strip**, this BMS simplifies installation while delivering **high-current capability** suitable for DIY electronics, portable devices, and hobbyist projects. Invest in the JH-8675 BMS to ensure your lithium-ion batteries operate **safely, efficiently, and reliably**, making it an essential component for any small-scale battery-powered project.