

## THE SUREFIRE NO-HASSLE GUARANTEE

**We'll do what it takes to keep your SureFire gear running smoothly.**

SureFire warrants that if you — our customer — purchase one of our products, and we determine that it is defective in material and/or workmanship during your lifetime, we will repair or replace it — no hassle! Rechargeable batteries and chargers are warranted for two years from the date of purchase. SureFire hearing-protection products are warranted for 90 days from the date of purchase. Our warranty does not cover consumables or normal wear-and-tear, or damage resulting from abuse, alterations, unauthorized repairs, or use contrary to SureFire's user manuals. To help protect your investment SureFire offers reasonable rates to repair damage to our products not covered by our warranty, such as a core rebuild for a suppressor damaged by improper use. You will be provided with a quote for approval before work begins.

## STANDARD DISCLAIMER

Except as specified above or prohibited by applicable law: all express or implied conditions and warranties, including, without limitation, any implied warranty or condition of merchantability or fitness for a particular purpose, or accuracy of any informational content, are hereby excluded and disclaimed by SureFire; and in no event will SureFire be liable for any special, direct, indirect, consequential, incidental or punitive damages howsoever arising and regardless of the theory of liability, even if advised of the possibility of such damages. Products, prices, availability, specifications, and offers are subject to change or cancellation at any time without notice.

## WARRANTY CLAIMS

For claims, contact Customer Service at 714-545-9444 to obtain a Return Merchandise Authorization number (RMA#). Then package the unit carefully and send to (no CODs):

SureFire, LLC.  
Repairs Department, RMA# \_\_\_\_\_  
17680 Newhope Street, Suite B  
Fountain Valley, CA 92708

SureFire will pay reasonable shipping costs to return the unit to you.



Revision B 8-2018  
71-01-1067  
SF18650B

18300 MT. BALDY CIRCLE  
FOUNTAIN VALLEY, CA 92708-6122  
SUREFIRE.COM



**SUREFIRE®**

**SF18650B**

MICRO USB CHARGE RECHARGEABLE LITHIUM ION 18650 BATTERY



		SF18650B
SPECIFICATIONS	VOLTAGE	3.6 V
	CAPACITY	3.5 Ahr
	CHARGE END VOLTAGE	4.20 V
	DISCHARGE END VOLTAGE	2.50 V
	STANDARD CHARGE RATE	0.5C at 2.5-3 hours
	RAPID CHARGE RATE	1.0C at 1.5-2 hours
	DISCHARGE RATE	8-10 A
	USB CHARGE VOLTAGE	5.0 V ± 0.2 V
	USB CHARGE CURRENT	600 mA ± 100 mA

USER MANUAL

# SF18650B

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## GET THE BEST FROM THE BEST

The SF18650B is a Lithium Ion protected 18650 battery with micro USB charge capability. This allows the user to conveniently charge the battery using any USB power source such as a USB wall charger, computer/laptop, power bank, or automotive USB port. Additionally, an external 18650 compatible CC-CV cradle charger can be used to charge the battery; possibly at a faster rate if so equipped.

## OPERATION

The SF18650B can be used as a standard protected 18650 in many applications with one advantage; the battery can be charged directly through the micro USB port, requiring no external charge cradle. The SF18650B comes with a 6 inch USB type A plug to micro USB type B plug, with the micro USB plug being the end inserted into the battery. The battery side includes a micro USB type B receptacle. Once the cable is plugged into the battery and a power source, the 2 LED indicators display the current charge state: RED for charging and GREEN for fully charged. The battery can be left connected to the charge source indefinitely as the internal charge algorithm will restart the charge cycle once the cell voltage drops below 4-5% of the float voltage. The typical charge time for charging via the micro USB port for fully depleted battery can be over 5 hours. The user has an option of charging the battery with an external charger to shorten the total charge time.

The quiescent drain on the battery from the protection circuit is 40uA, which in addition to the cell self-discharge, allows a fully charged battery to be stored for 2-3 years and still maintain usable capacity

## SAFETY

The internal protection circuit integrated within the battery assembly provides the following safety features:

- Over-charge
- Over-discharge
- Short Circuit
- Under-voltage
- Over-voltage

## ENVIRONMENTAL

Storage Temperature Range: 0-35°C, 60±25% RH

Charging: 0°C-45°C, 65%±25%RH

Discharging: -20°C-+60°C, 65%±25%RH

*Note: The battery's metal button top also functions as a heatsink during USB charging, which may result in it being very warm to the touch during the high charge rate period.*