



NITECORE NC-F21i Fast Charging Power System User Manual

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NITECORE NC-F21i Fast Charging Power System



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Features

- Dual Way Fast Charging Power System for 21700 i Series Batteries
- 18W USB-C dual way fast charging available with QC, PD and more protocols
- Automatic detection on the USB devices to be used as a power bank
- Power indicators can indicate the remaining battery power
- Mechanical polarity reverse protection
- Multiple protection safeguards including overcharge, over-discharge, overcurrent protections and more
- Body made from lightweight and fire retardant PC materials
- Elastic band made from durable, corrosion and heat resistant EPDM rubber

Technical Data

Input:

USB-C: 5V- 2A / 9V- 2A

Output:

Battery: 4.2V- 4A (MAX)

USB-C: 5V- 2.4A / 9V- 2A / 12V- 1.5A

Specifications

Diameter: 27.4mm (1.08")

Length: 112.5mm (4.43") (With Battery)

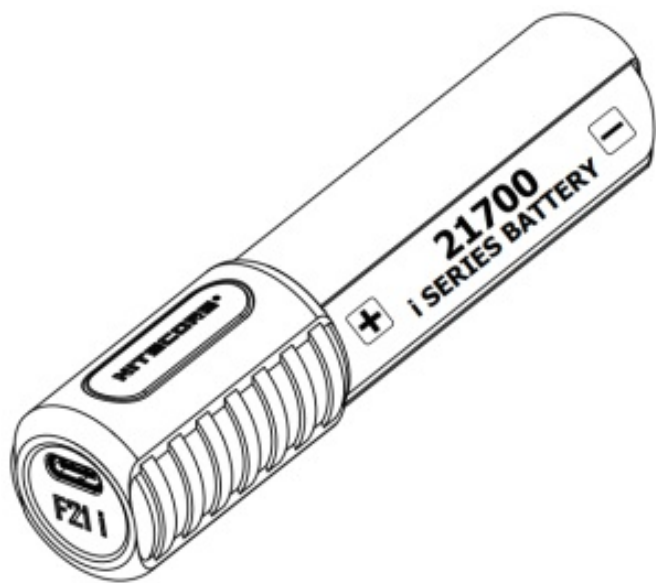
Weight: 22g (0.78oz)

Accessories

USB Charging Cable (USB-C to USB-C)

Operating Instructions

Battery Installation



Insert the 21700 i Series Battery with the end marked with (+) towards the body of the f21i and fasten it with the elastic band as illustrated. The 3 blue indicators beside the USB-C port will turn on successively and then turn off.

Power Level Display

When the battery is insertedl, tap the USB-C port and the blue indicators will turn on to display the power level:

Status of Indicators	Power Level
3 Constant-on	Approx. 100%
2 Constant-on	Approx. 70%
1 Constant-on	Approx. 30%

(The F21i will automatically access Hibernation Mode when there is no input or output in approx. 30 seconds.)

Battery Charging

When the battery is inserted, use the USB charging cable to connect an external power source to the F21i to begin the charging process. During the charging process, the blue indicators will flash to display the power level. When the battery is fully charged, all 3 blue indicators will turn on constantly.

USB Output

When the battery is inserted, use the USB charging cable to connect a USB device to the F21i to begin the output process. During the output process, the blue indicators will turn on constantly to display the power level. The last blue indicator will start to flash when the power level is low. The F21i will automatically cease the output process to protect the battery with the blue indicators turned off when the power is nearly depleted.

Fast Charging Mode

During the battery charging or the USB output process, the white indicator will turn on to indicate the access of Fast Charging Mode if the external device is available with fast charging protocols. (It is normal that this process may have a delay of approx. 30 seconds.)

Warnings

1. The product is only functional when combined with a NITECORE 21700 i Series Battery.
2. The product will not work if attached to the end marked with (-) of the battery.
3. When the battery is inserted without connecting to an external power source or a USB device, the blue indicators will turn off automatically in approx. 30 seconds to access Hibernation Mode. Connecting to an external power source or a USB device will exit Hibernation Mode.
4. Please read the user manual carefully before using the product and connect the applicable external devices only according to the specifications in this user manual.
5. Ambient Temperature of Usage: -10, v40°C (14, v104°F); Temperature of Storage: -20, v60°C (-4, v140°F)
6. Moderate heat from this product is to be expected when in use. The product has thermal protection function to automatically lower the charging current to protect the battery when the temperature is too high.
7. DO NOT leave the product unattended when it is working. Stop using the product at any sign of malfunction.
8. DO NOT use charging cables made or sold by unprofessional manufacturers or ones that are damaged.
9. Unplug the device and remove the battery when it is not in use.
10. Store the device in ventilated areas. DO NOT expose the device in rain or moist environment. Keep it away from any combustible material.
11. DO NOT expose the device to open flames or extremely high ambient temperatures.
12. Avoid any shock or impact to the device.
13. DO NOT place any conductive or metal object in the device to avoid short circuiting and explosions.
14. DO NOT disassemble or modify the device as doing so will render the product warranty invalid. Please refer to the warranty section in the manual for complete warranty information.
15. DO NOT misuse in any way! Use for intended purpose and function only.

Disclaimer

This product is globally insured. NITECORE shall not be held responsible or liable for any loss, damage or claim of any kind incurred as a result of the failure to obey the instructions provided in this user manual.

Warranty Details

Our authorized dealers and distributors are responsible for warranty service. Should any problem covered under warranty occurs, customers can contact their dealers or distributors in regards to their warranty claims, as long as the product was purchased from an authorized dealer or distributor. NITECORE's Warranty is provided only for products purchased from an authorized source.

This applies to all NITECORE products.

Any DOA / defective product can be exchanged for a replacement through a local distributor/dealer within the 15 days of purchase. After 15 days, all defective/ malfunctioning NITECORE® products can be repaired free of charge for a period of 12 months (1 year) from the date of purchase. Beyond 12 months (1 year), a limited warranty applies, covering the cost of labor and maintenance, but not the cost of accessories or replacement parts.

The warranty is nullified if the product(s) is/are:

1. broken down, reconstructed and/or modified by unauthorized parties

2. damaged from wrong operations

For the latest information on NITECORE® products and services, please contact a local NITECORE® distributor or send an email to service@nitecore.com

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