

NITECORE®

NL2150HPi

21700 i Series Battery



Compatible with accessories in the 21700 Intelligent Battery System, I4000R and more



Revolutionary and Powerfully Upgraded 21700 i Series Battery

(Patent No. ZL201820118916.0, US Patent Pending)

As a patent product developed by NITECORE, the 21700 i Series Battery is a proprietary 21700 rechargeable Li-ion battery featuring dual way output with positive and negative polarities at both ends and a high energy density. It enables a highly efficient output by minimizing the loss of power due to internal resistance.





Outstanding Energy Density

A 21700 i Series Battery has an energy density of up to

240mWh/g

11% Higher than 18650 Batteries

* Energy Density Formula:

$$\text{Mass Energy Density} = \frac{\text{Battery Capacity} \times \text{Battery Voltage}}{\text{Overall Weight of NL2150HPi}}$$

* Energy Density of an 18650 Li-ion Battery: 216mWh/g (3,500mAh, 3.7V)

* Overall Weight of NL2150HPi: 75.5g (2.66oz)

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NITECORE I4000R
Future Oriented 21700 Intelligent
Tactical Flashlight

Unprecedented Battery Performance

The dual polarities of the 21700 i Series Battery at both ends have broken the convention of linking the head and the tail of the flashlight in order to minimize its size and weight. The internal resistance is therefore greatly reduced to offer a direct energy conversion to power the device. Thanks to the groundbreaking technology and techniques, this can bring more possibilities to our flashlight design.

NITECORE®
NL2150HPi 
21700 i Series Battery



Ideal for High Drain Devices
Continuous Discharge Current



Internal Safety Features

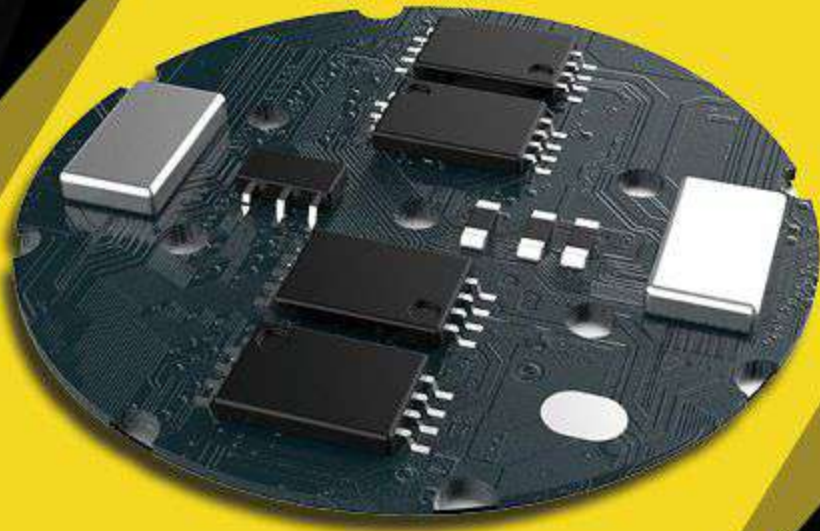
Pressure relief valve activates
in the event of a rapid
temperature increase

Innovative anode design with
high temperature resistance

Built-in PTC to inhibit high current surges

Microporous barrier protects
delicate internal components





High-performance Protective Circuit

1. Automatically protects against overcharge, over discharge and short-circuiting
2. Utilizes a high-quality battery protection IC
3. Utilizes two high-power MOS FETs in the current regulation module for better efficiency and superior output



External Safety Features

1. Equipped at both ends with nickel-plated steel strips ensuring high impact resistance, good electrical conductivity and oxidation resistance
2. Coated with durable metallic film to guard against abrasion
3. Tough plastic circuit board protector

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NL2150HPi 
21700 i Series Battery



Low Cost and Environmentally Friendly

Using a rechargeable Li-ion battery is energy saving to minimize the carbon footprint

NITECORE®
NL2150HPi 
21700 i Series Battery



Safe and Reliable

Globally insured and multiple global certifications approved





Specifications

Type: NL2150HPi

Capacity: 5,000mAh

Voltage: 3.6V

Continuous Discharge Current: 15A MAX

Weight: Approx. 75.5g / 2.66oz

Length: 76.7±0.3mm / 3.02"±0.01"

Diameter: 21.9±0.3mm / 0.86"±0.01"

Warranty Period: 12 months warranty from the date of purchase

Precautions:

- Never expose the battery to water or fire.
- When charging or using batteries, ensure the positive and negative ends correspond with the positive (+) and negative (-) symbols.
- To extend battery life it is recommended that it is charged every three months when unused for long periods.
- Keep out of the reach of children

Compatible NITECORE Chargers



UMS2



UMS4



UI1



UI2