

**Tenergy TN270  
Lithium Ion Charger  
Tenergy 18650  
Lithium Ion Batteries**



**Operations Guide**

**Tenergy®  
Lithium Ion  
Charger & Batteries  
Specifications**

*Charger Specifications:*

Make & Model: Tenergy TN270 (01270)  
For: 1 Or 2 Batteries, Independent  
Battery Type: 3.7V Lithium Ion Only  
Type Numbers: 14500, 18500, 18650  
Battery Holders: 2, Spring-Loaded  
Charge Indicators: 2, Red/Green LED  
Charge Output: 4.2VDC @ 500mA  
AC Input: 100-240VAC, 50-60Hz  
AC Connection: Type A, 2 Prong  
DC Input: 12-24VDC @ 500mA  
DC Connection: Auto Cigar Lighter  
Safety Limitations: Indoor Use Only

*Battery Specifications:*

Make & Model: Tenergy 18650 (30016)  
Nominal Voltage: 3.7V  
Low-Limit Cut-Off Voltage: 2.50V  
High-Limit Cut-Off Voltage: 4.35V  
Nominal Capacity: 2600mAh  
Minimum Capacity: 2500mAh  
Internal Impedance:  $\leq 130$ milliOhms  
Over/Under Protection: Internal PCB  
Diameter: 19mm  $\pm 0.5$ mm  
Height: 69.5mm  $\pm 0.5$ mm  
Typical Approx Weight: 50g  
Typical Performance: 90% @ 400 Cycles  
Typical Charging Lifespan: >500 Cycles  
Manufacturing Standard: ISO9001-2000

**Tenergy®  
Lithium Ion  
Charger & Batteries  
Operation**

Fully charge each battery before installing in flashlight. Charger can independently charge one or two batteries simultaneously. Use only the supplied batteries, and do not install any other types.

Pull down bottom spring tab and insert battery with button (+) contact at top of charger and flat (-) contact against bottom spring tab. Never install batteries backwards.

Attach either the 100-240VAC or 12-24VDC power cord (never both at once) and connect to an appropriate power source (see at left).

Indicator light will glow red when each battery is charging, and will change to green when battery has been fully charged. Remove each battery promptly after charging has been completed for each one.

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Safety Precautions**

Keep the flashlight and batteries well away from flames or extreme heat or combustible materials. If handled or recharged incorrectly, lithium ion batteries can cause fires, explosions, property damage, injuries, and death.

Keep the batteries and charger well away from water or liquids of any kind. Exposure to water may cause shock hazards and fatal electrocution.

Do not leave lithium ion rechargeable batteries and chargers unattended while recharging. Do not operate the charger on wood, carpet, fabric, or any other soft or flammable surfaces.

Do not attempt to recharge disposable lithium batteries. Never mix batteries of different types or brands in the charger or flashlight. Do not use any unprotected lithium ion rechargeable batteries. Never recharge lithium ion batteries in any chargers other than those designed for the specific battery types and brands being used.

**Tenergy®  
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Charger & Batteries  
Limited Warranty**

The charger and supplied batteries are warranted to be free of defects in materials and workmanship for a period of ninety days from the date of purchase or delivery. Your sole remedy under this warranty is repair or replacement (at our option) of any defective items, if returned to us at the customer's expense during the warranty period. The warranty will be voided if the flashlight or charger or batteries have been damaged or operated improperly. There are no warranties of suitability for a specific application. Flashlights Unlimited will accept no liability whatsoever for any direct or consequential or incidental damages arising from the use or misuse or abuse of the flashlight or lithium ion batteries or charger or any other accessory items under any circumstances.

**Tenergy®  
Lithium Ion  
Charger & Batteries**

Individually Tested  
Packaged &  
Distributed By

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Charger & Batteries  
Made In China

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