

PT60 & PT80 User Manual

Patented Ultra Bright USB Rechargeable Flashlight

Primary Features

- Uses 16 x CREE XP-G2 S4 LEDs, Max output up to 9600 lumens
- Micro USB Intelligent charging inputs; compatible with any USB port
- 3 available Micro USB charging ports, allows quick charge in 3 hours
- DC 5V/ 2A USB output, can be used as a power bank
- Accurate battery capacity indicators
- Charging and fully charged indicators
- Max 58WH battery cell capacity, built-in capacity up to 13600mAh
- 18650 Li-ion battery pack, max running time up to 26 days for PT80
- Max beam distance 415 meters
- Portable handle available as an accessory
- Pure copper and gold plating circuit boards
- Integration and high efficiency optical lens
- Four independent constant current drivers
- Built-in temperature testing system, keeps the temperature at 45 degrees celsius
- Aggressive head bezel for self defense
- High efficient heat dissipation design
- Rugged pineapple texture for better grip; anti-roll
- Tail stand capability
- Gun mount available as an accessory
- Standard 1/4 inch Tripod mount
- Constructed from aero grade aluminum alloy, with HAIII hard-anodization
- IPX-8 water resistance

PT60 Specification

LED: 16 CREE XP-G2 S4 LEDs
Output & Runtime

Mode/ Specification	Turbo	Low	Med	High	Strobe	SOS
Output (Lumens)	9600	21	500	2120	9600	9600
Runtime	2.28h	331h	16.17h	2.83h	/	/
Peak beam intensity	43238cd					
Max beam distance	415m					
Impact resistance	1.5m					
Waterproof	IPX8 (underwater 2 meters)					

- Dimensions
Length: 124mm/ 4.88in
Head diameter: 75mm/ 2.95in
Body diameter: 52mm/ 2.05in
- Weight: 450g/ 15.87oz (excluding battery pack)
Battery pack weight: 200g/ 7.05oz
- Working voltage: 6V-10V
- Charging time: 3 hours at 3A
- Accessory: User manual, 1x18650 Battery pack (comprising 4x18650 protected batteries), lanyard, O-rings
- Selectable accessories: handle, gun amount

PT80 Specification

LED: 16x CREE XP-G2 S4 LEDs
Output & Runtime

Mode/ Specification	Turbo	Low	Med	High	Strobe	SOS
Output (Lumens)	9600	21	500	2120	9600	9600
Runtime	4.47h	622h	157h	6.07h	/	/
Peak beam intensity	43238cd					
Max beam distance	415m					
Impact resistance	1.5m					
Waterproof	IPX8 (underwater 2 meters)					

- Dimensions
Length: 192mm/ 7.56in
Head diameter: 75mm/ 2.95in
Body diameter: 52mm/ 2.05in
- Weight: 534g/ 18.84oz (excluding battery pack)
Battery pack weight: 393g/ 13.86oz
- Working voltage: 6V-10V
- Charging time: 3 hours at 3A
- Accessory: User manual, 1x18650 Battery pack (comprising 8x18650 protected batteries), lanyard, O-rings
- Selectable accessories: handle, gun amount

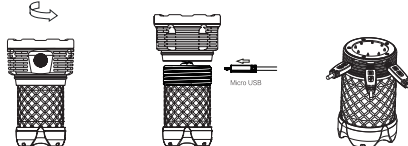
NOTICE: The above-mentioned parameters are approximate and may vary between flashlights, batteries and environments.

Operation

- From OFF: 1 click for ON (Low mode)
- From OFF: 2 click for Turbo
- From OFF: 3 click for STROBE
- From STROBE: Long press (> 1 second) for SOS
- From OFF: Press and hold for Momentary ON (Turbo), release to turn off
- From ON: 1 click for OFF
- From ON: Press and hold to cycle through modes (Low/ Med/ High/ Turbo)
- Turbo Mode: In Turbo mode the 16 CREE XP-G2 S4 LEDs run at the highest brightness and discharge rate. High quality batteries are recommended for peak performance.
- This is a high-performance light and generates significant heat in Turbo mode. To protect the light and user, output in Turbo will drop to 70% of maximum brightness after 3 minutes. Output will also be adjusted by real time temperature monitoring

Charging

Carefully unscrew and remove the light's head, and connect USB charging cable(s) as shown in the diagram below, a combination of the 3 micro USB ports may be used



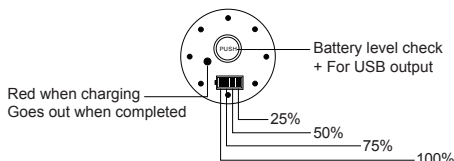
Charging time: 5V/ 1A
8 hours/ 1 cable
4 hours/ 2 cables
3 hours/ 3 cables

Charging time: 5V/ 2A
6 hours/ 1 cable
3 hours/ 2 cables

The auto testing circuitry controls the battery pack charging from 500mA to 3A inputs over three Micro USB ports.

Charging Indicator

When charging, the white circle indicator turns red; when fully charged, it will go out
During charging, the battery capacity will be displayed as four stages on the green indicator;



1 bar indicates 25% capacity; 2 bars indicates 50%; 3 bars indicates 75%; 4 bars is 100% capacity. Battery level may also be checked at any time by pressing the "push" button, the indicator will turn off after 6 seconds.

Power Bank output

The standard USB socket can be used as a power bank. Connect a USB lead to your device and press "push" to start charging. Output will stop after 10 seconds if there is no load



WARNING:

- Do not point the light at human or animal eyes
- Do not look directly into the light when it is switched on
- Do not permit children to use the flashlight unsupervised

Maintenance

- Remove battery when stored for extended periods
- Replace and lubricate O-Rings as needed to maintain IPX-8 rating
- Every 6 months, thread should be wiped with a clean cloth followed by a thin coating of silicon-based lubricant

Warranty Service

- Guaranteed exchange up to 15 days after purchase: any defective product can be exchanged for a replacement through a local distributor/dealer within 15 days
- After 15 days: all defective products can be repaired free of charge for a period of 5 years from the date of purchase
- Lifetime workmanship guarantee: after the free maintenance period has expired, the maintenance service will charge for material expenses only, free of labor expenses.

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