MECARMY

PT Series User Manual

Ultra Bright USB Rechargeable Compact Flashlight

**Primary Features**

* Patented Product
* Ultra bright Compact flashlight with USB rechargeable function
* Uses 3 CREE XP-G2 LEDs, lifespan up to 50,000 hours
* Momentary ON function
* Instant access to Turbo/Strobe
* Uses rechargeable lithium ion battery
* Quick recharge
* Standard Micro USB Charging port, charges on any USB port
* Charging and fully charged indicators
* Electronic side switch design, easy to change modes
* Wide voltage range circuit design
* Over-heat protection to avoid high-temperature of the surface
* Reverse polarity protection prevents damage from an incorrectly inserted battery
* Rugged pineapple texture for grip and anti-roll
* Constructed from aero grade aluminum alloy, with HAIII hard-anodized
* Tail stand capability
* IPX-8 water resistance

**PT10 Specification**

Emitter:: 3×CREE XP-G2 LED

Output& Runtime

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Mode/ Specification** | **Turbo** | **Low** | **Med** | High | **Strobe** | SOS |
| Output (Lumens) | 800 | 10 | 100 | 320 | 800 | 800 |
| Runtime | 18mins | 17h | 85mins | 25mins | / | / |
| Peak beam intensity | 4013cd | | | | | |
| Max beam distance | 126m | | | | | |
| Impact resistance | 1.5m | | | | | |
| Waterproof | IPX8 (underwater 2 meters) | | | | | |

* Dimensions

Length：77mm/3.03in

Head dimension：30mm/1.18in

Body dimension：16mm/0.63in

* Weight：58.5g/2.06oz (Excluding battery)
* Battery：10440 Li-ion battery
* Working voltage：2.5V-8.4V
* Charging time: 90 minutes (charging current 300mA)
* Accessory：User manual, 1×10440 Battery, O-ring, lanyard

**PT14 Specification**

Emitter:: 3×CREE XP-G2 LED

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Mode/ Specification** | **Turbo** | **Low** | **Med** | High | **Strobe** | SOS |
| Output (Lumens) | 900 | 10 | 100 | 330 | 900 | 900 |
| Runtime | 43mins | 45h | 4.2h | 1.1h | / | / |
| Peakbeam intensity | 4369cd | | | | | |
| Max beam distance | 132m | | | | | |
| Impact resistance | 1.5m | | | | | |
| Waterproof | IPX8 (underwater 2 meters) | | | | | |

* Dimensions

Length：84mm/3.31in

Head dimension：30mm/1.18in

Body dimension：20mm/0.79in

* Weight：63.2g/2.23oz (Excluding battery)
* Battery：14500 Li-ion battery
* Working voltage：2.5V-8.4V
* Charging time: 90 minutes (charging current 600mA)
* Accessory：User manual, 1×14500 Battery, O-ring, lanyard

**PT16 Specification**

Emitter:: 3×CREE XP-G2 LED

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Mode/ Specification** | **Turbo** | **Low** | **Med** | High | **Strobe** | SOS |
| Output (Lumens) | 1000 | 5 | 100 | 420 | 1000 | 1000 |
| Runtime | 35mins | 20h | 4h | 1h | / | / |
| Peak beam intensity | 4915cd | | | | | |
| Max beam distance | 140m | | | | | |
| Impact resistance | 1.5m | | | | | |
| Waterproof | IPX8 (underwater 2 meters) | | | | | |

* Dimensions

Length：67.5mm/2.66in

Head dimension：30mm/1.18in

Body dimension：22.5mm/0.89in

* Weight：40g/1.41oz (Excluding battery)
* Battery：16340 Li-ion battery(brightness and efficiency will be lower with CR123A battery)
* Working voltage：2.5V-8.4V
* Charging time: 90 minutes (charging current 600mA)
* Accessory：User manual, 1×16340 Battery, O-ring, lanyard

**PT18 Specification**

Emitter:: 3×CREE XP-G2 LED

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Mode/ Specification** | **Turbo** | **Low** | **Med** | High | **Strobe** | SOS |
| Output (Lumens) | 1000 | 10 | 100 | 330 | 1000 | 1000 |
| Runtime | 2.8h | 156h | 16.5h | 4h | / | / |
| Peak beam intensity | 4915cd | | | | | |
| Max beam distance | 140m | | | | | |
| Impact resistance | 1.5m | | | | | |
| Waterproof | IPX8 (underwater 2 meters) | | | | | |

* Dimensions

Length：103mm/4.06in

Head dimension：30mm/1.18in

Body dimension：22mm/0.87in

* Weight：60g/2.12oz (Excluding battery)
* Battery：18650 Li-ion battery
* Working voltage：2.5V-8.4V
* Charging time: 3 hours (charging current 1000mA)
* Accessory：User manual, 1×18650 Battery, O-ring, lanyard

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

**Operation**

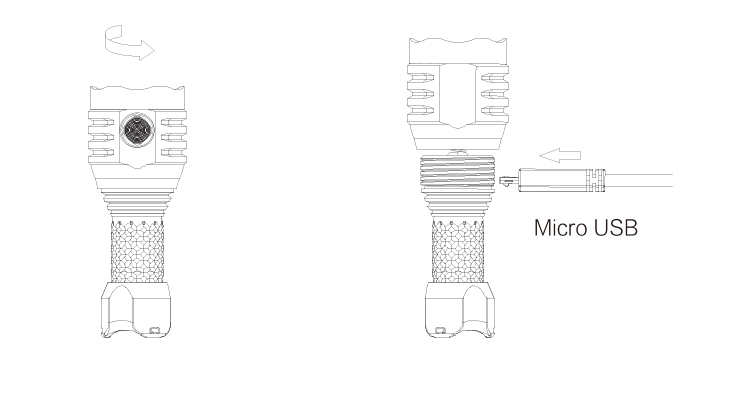
* From OFF: 1 click for ON (Low mode)
* From OFF: 2 click for Turbo
* From OFF: 3 click for STROBE
* From STROBE: Long press (> 1 second) for SOS
* From OFF: Press and hold for Momentary ON (Turbo), release to turn off
* From ON: 1 click for OFF
* From ON: Press and hold to cycle through modes (Low/Med/High/Turbo)

Turbo Mode: In Turbo mode the 3 CREE XP-G2 LEDs run at the highest brightness and discharge rate. High quality batteries are recommended for peak performance.

The PT series 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 a mini USB charging cable as shown in the diagram below



**Charging Indicator**

When charging, the indicator light turns red, when charging is complete, the indicator light turns green

No indicator light indicates that 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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