MECARMY

PT16-Ti/ BS 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
* Aluminum alloy smooth reflector, for better beam and beam distance
* Max output up to 1200 ANSI Lumens, Max runtime up to 40 hours
* Momentary ON function
* Instant access to Turbo/Strobe
* Uses rechargeable 16340 lithium ion battery
* Compatible with 18350 battery
* Quick charge in just 90 minutes
* 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
* Tail stand capability
* IPX-8 water resistance

**Specification**

LED: 3×CREE XP-G2 LED

Output& Runtime

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Mode/ Specification** | **Turbo** | **Low** | **Mid** | High | **Strobe** | SOS |
| Output (Lumens) | 1200 | 14 | 93 | 373 | 1200 | 1200 |
| Runtime | 24mins | 40h | 4h | 51min | / | / |
| Peak beam intensity | 12002cd |
| Max beam distance | 218m |
| Impact resistance | 1.5m |
| Waterproof | IPX8 (underwater 2 meters) |

* Dimensions

Length：79mm/3.11in

Head dimension：34.3mm/1.35in

Body dimension：22.5mm/0.88in

* Weight for Titanium version：101g/ 3.56oz (Excluding battery)

Weight for Brass version：101g/ 3.56oz (Excluding battery)

* Battery：16340 or 18350 Li-ion battery (brightness and efficiency will be lower with CR123A battery)
* Working voltage：3V-9V
* Charging time: 90 minutes ( charging current 600mA)
* Accessory：User manual, 1×16340 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.

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 a mini USB charging cable as shown in the diagram below

(此处插入充电示意图）

**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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