



Universal Power Bank User Guide



MP-20K-LED

MP-10K-LED

Thank you for choosing the MobilePal universal power bank, designed for charging almost all mobile devices on the market. This power bank has some advanced features, including LCD display, LED flashlight, and automatic load detection. For your safety and convenience, please read this user guide carefully before using the device.

Technical Specifications

ITEM	SPECIFICATION	
Model	MP-20K-LED	MP-10K-LED
Input	5V/2A	
USB Out 1	5V/1A	
USB Out 2	5V/2.1A	
Cell Type	Li-Ion 3.7V/ 20000mAh, 74Wh	Li-Ion 3.7V/ 10000mAh, 37Wh
Shelf life	> 5000 hours	
Compatibility	Apple or Android devices; most other mobile devices	
Indicators	Patented backlit LCD indicating charging status and battery capacity up to 1% precision	
Flashlight	LED flashlight	
Dimensions	162.5x79.6x22(mm)	140x61.5x21.8(mm)
Weight	445g (15.7oz)	278g (9.8oz)

Certifications

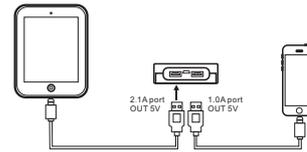
FCC, CE, RoHS

General Instruction

This backup power supply is mainly designed for charging portable digital devices, such as smartphones, Tablet PC, smartwatches, MP3/MP4, PSP, etc. It has a micro USB input interface, built-in rechargeable Li-ion battery as power storage, and 2 standard USB output ports. It also includes a 2-in-1-micro-USB+Lightning cable, so that you can charge most mobile devices on the market. Its protective IC circuit can effectively avoid over-charging, short-circuiting, and malfunctioning. Its MCU (Micro Control Unit) can automatically detect loads and intelligently control the charge. The patented backlit blue LCD indicates the power and interface status, and can display the battery capacity up to 1% precision. It also comes with a LED flashlight for lighting at night or for emergency use.

(Charging Digital Devices)

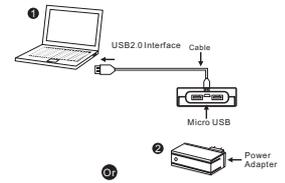
Schematic for charging iPad and iPhone 5S.



Note: Use original Apple cable to charge at 2.1A.

Charging Power Bank

Please use Micro USB adapter to charge the Power Bank



Operation Instructions

● Turn on Output

In standby mode, the power bank is in dormant state, and the LCD display is off. There are two ways to turn on the output:

1. Automatic detection mode

In the standby mode, when a standard USB digital device is connected to a charging port, the power bank can automatically identify it, and the 5V output ports start up. Meanwhile, the backlit blue LCD turns on, indicating the battery and interface status.

2. Manual ON/OFF mode

When the power bank is in standby mode, long press ON/OFF button until the 5V output ports turn on. Meanwhile, the backlit LCD turns on, indicating the device status.

- 1) LCD display showing all the contents



- 2) LCD display when using 1A interface alone



- 3) LCD display when using 2.1A interface alone



- 4) LCD display when using 2.1A interface and 1A interface at the same time



● Turn off Output

While the power bank is discharging, there are two ways to turn off the output:

1. Automatic detection mode

60 seconds after disconnecting the digital device from standard USB interfaces (or 60 seconds after the digital device is fully charged), the power bank can automatically detect it and turn off the 5V output ports and the LCD.

2. Manual ON/OFF mode

Long press the ON/OFF button to turn off the output interfaces and the LCD.

● To Charge Power Bank

1) When a 5V power supply is connected to the micro USB port, it will charge the power bank, and the backlit blue LCD will automatically turn on and display all the contents.



2) After 1 second, the LCD displays the actual power and charging status. The word "IN" flashes, indicating charging status. The capacity percentage shows the current capacity.



3) After the power bank is fully charged, the word "IN" stops flashing, and the capacity indicator shows 100%.



4) When the power bank is connected with an external power supply and digital devices simultaneously, the connected devices will be charged first. After the connected devices are fully charged, it will automatically start to charge the power bank itself.

● Working Status of Blue Back Light:

When the power bank switches from standby to active, the backlit blue LED turns on, and then it will fade out after 30 seconds. Press the ON/OFF button once, and the back light will turn on for 30 seconds for convenient viewing of the LCD display.

● LED Flashlight

The power bank is equipped with a LED flashlight, to be used at night or in emergency. Press ON/OFF twice within 1 second, then the LED flashlight turns on. Press ON/OFF again to turn off the flashlight.

● Protective Functions

- Output with voltage regulator and over-voltage protection.
- Output with current-limiting, over-current protection (in the event of over-current, remove the over-load and then long-press ON/OFF to restart the output interfaces).
- Output short-circuit protection (in the event of short circuiting, the power bank turns off automatically to protect the device. After resolving short-circuit, long-press ON/OFF button to restart output interfaces).
- Double protection of built-in battery from both software and hardware.

Warning:

1. Ignoring the safety instructions may lead

to fire, electric shock or damage to the power bank or its connected devices.

2. Do not drop, short circuit, disassemble, or put under high temperature or in water.
3. Please stop using it immediately if the power bank swells or becomes malformed.
4. Please keep it out of the reach of children.

Attentions:

Before charging digital devices, please check the cable and connectors to make sure they are in working condition. We recommend using qualified brand-name power adaptors. Low-quality power adaptors may cause irregular voltage or overcharging, and in turn damages to the device or its connected digital devices.

Warranty Information

MobilePal offers 12-month limited warranty for quality-related issues. Within 12 months after the date of purchase, we take care of all quality-related issues by repairing, replacing, or refunding the product at MobilePal's discretion. Warranty is limited to products purchased from MobilePal, and it does not cover accidental damage or improper use by the user. For warranty service, the customer is responsible for one-way shipping cost.

Email: support@mobilepal.us
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