

# MARSRIVA

## User Manual

### Smart Mini DC UPS

KP7

www.marsriva.com

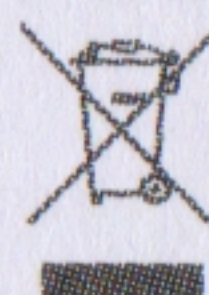
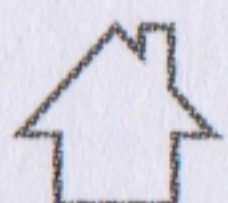
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Made in China

CE FC RoHS



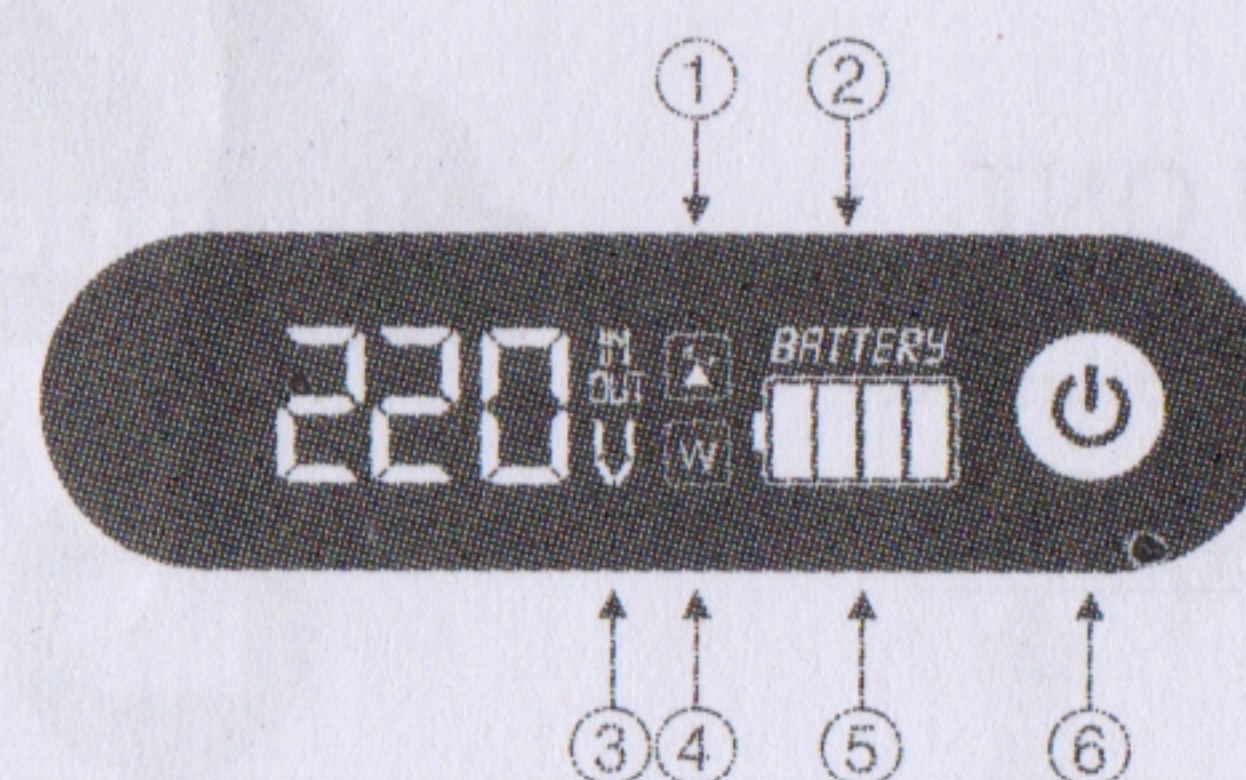
Specifications are subject to change without notice, all product drawings are for reference only.

## Package Contents

- Mini DC UPS KP7
- AC Power Cord
- DC Cable Male to Male
- User Manual

## Features

### LCD Display



- ① Overload Indicator
- ② AC/Battery Mode
- ③ AC Input Voltage Indicator
- ④ Output Power Indicator
- ⑤ Battery Capacity Indicator
- ⑥ ON/OFF Button

## Safety Instructions

### • Handle the DC UPS with care

Because it contains sensitive electronic components, including batteries.

**Do** check the working voltage, current, and polarity of the loads before connecting them to the DC UPS, then choose the corresponding voltage.

**Do** charge the DC UPS fully before initial use.

**Do not** drop, burn, puncture, crush, disassemble, or expose the DC UPS to excessive heat, liquids, or harsh industrial environments. This includes areas with high concentrations of industrial chemicals, such as those near evaporating liquefied gases like helium.

**Do not** use the DC UPS in any flammable environments.

**Do not** repair the DC UPS by yourself.

**Do not** use damaged DC UPS, it may pose safety risks.

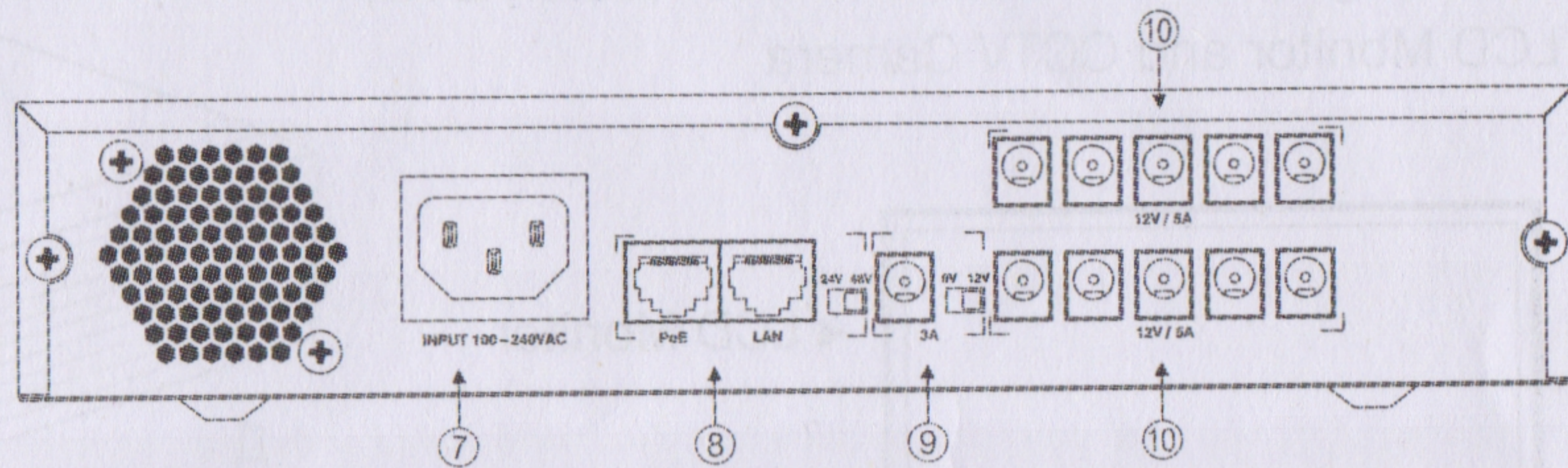
### • Battery Safety

**Do not** attempt to replace the batteries by yourself. Incorrect handling can lead to battery damage, overheating, and potential injury.

### • Choking Hazard Warning

**Do not** put the DC UPS wherever children can reach. The DC UPS and accessories included may pose a choking hazard or other risks to children.

## Rear Panel



- ⑦ AC Input
- ⑧ PoE Output (24V / 48V)
- ⑨ DC Output (9V / 12V)
- ⑩ DC Output (12V)

## Specifications

|                     |  |              |
|---------------------|--|--------------|
| Model               | KP7  |              |
| Battery Type        | LiFePO4 (3.2V / 6000mAh * 4)   |              |
| Capacity            | 76.8Wh   |              |
| Input               | 100VAC – 240VAC / 50Hz – 60Hz  |              |
| Output              | 1 * PoE 24V / 1.0A or 48V / 0.7A<br>1 * DC 9V / 3.0A or 12V / 3.0A<br>10 * DC 12V / 5.0A |              |
| Total Output        | 100W (Max.)  |              |
| Net Weight          | 1.85kg   |              |
| Unit Dimension      | 258 * 220 * 53 mm (L * W * H)  |              |
| Operate Temperature | AC Mode  | 0°C – 40°C   |
|                     | Battery Mode   | -10°C – 50°C |
| Operate Humidity    | Less than 75%RH  |              |
| Storage             | 15°C – 35°C, 40% – 75%RH   |              |

**CAUTION!** 60 watts maximum total output power when the input voltage range is 100VAC – 155VAC.

## Instructions for Use

### 1. Connect your equipment to the DC UPS

While the DC UPS remains powered off, connect wireless routers, monitors, CCTV cameras, and other devices to the DC UPS.

#### CAUTION!

The output power of this model is determined by its total power capacity, and the combined power of all connected loads must not exceed the maximum output power.

### 2. Connect Input Power to the DC UPS

Use the AC power cord included in the package to connect the DC UPS to power.

### 3. Turn On the DC UPS

Press and hold the ON/OFF button for approximately 2 seconds to turn on the DC UPS. After the LCD display lights up, you can view the battery status and output power. Press the ON/OFF button lightly for 0.5 seconds to display the input voltage.

#### CAUTION!

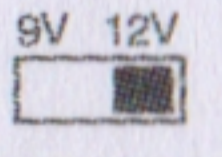
The DC UPS will shut down automatically when it has a low battery. In order to prevent over-discharging of the lithium batteries, please restart the DC UPS when AC is available after a low battery cutoff.

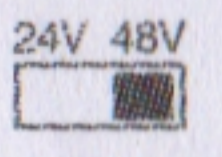
## Basic Operation

### 1. Turn off the DC UPS

To turn the DC UPS off, press and hold the ON/OFF button for approximately 2 seconds. When powered by an AC power cord, turning off the DC UPS will result in no output, but the display screen will remain on.

### 2. Selectable voltage switch

 The output voltage of the DC port can be selected between 9V and 12V by moving the DC voltage switch.

 The output voltage of the PoE port can be selected between 24V and 48V by moving the PoE voltage switch.

### 3. Indicator

**BATTERY** In AC mode, the indicator light remains on.  
In Battery mode, the indicator light flashes.

### 4. Circuit protection

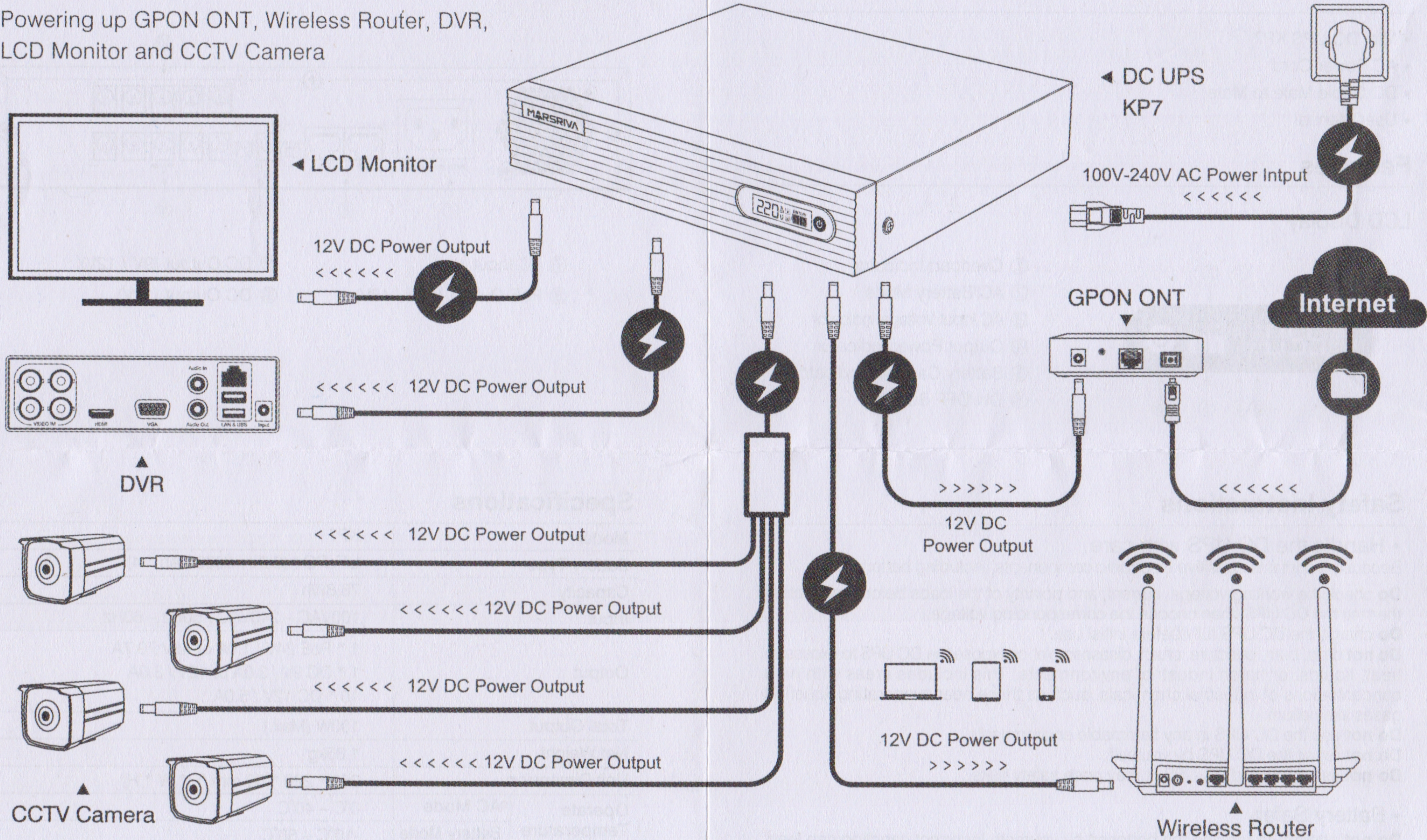
When a short circuit occurs, the DC UPS will automatically cut off the output of the specific circuit.

### 5. Overload protection

When an overload occurs, the overload indicator light will light up and flash. In this situation, please remove some load. The DC UPS will automatically shut down to protect itself if it is continuously overloaded.

# Typical Topology

Powering up GPON ONT, Wireless Router, DVR, LCD Monitor and CCTV Camera



**⚠ Note**  
If not in use for an extended period, maintain a full charge and store the DC UPS in a cool place. If the storage time is too long to turn on, recharge by plugging into the grid until the status light turns green. We recommend charging the DC UPS at least once per month.