

# User Manual

## Smart Mini DC UPS

KP7

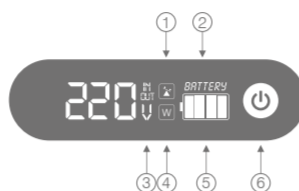
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### Package Contents

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

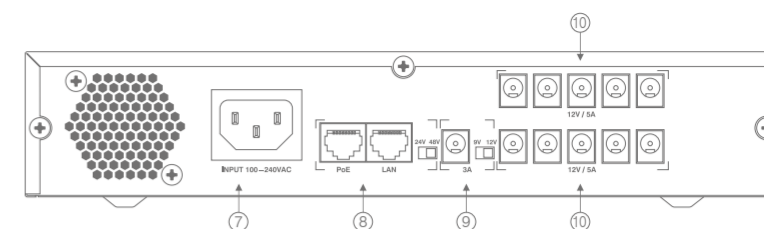
### Features

#### 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

### Rear Panel



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

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Made in China



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

### 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.

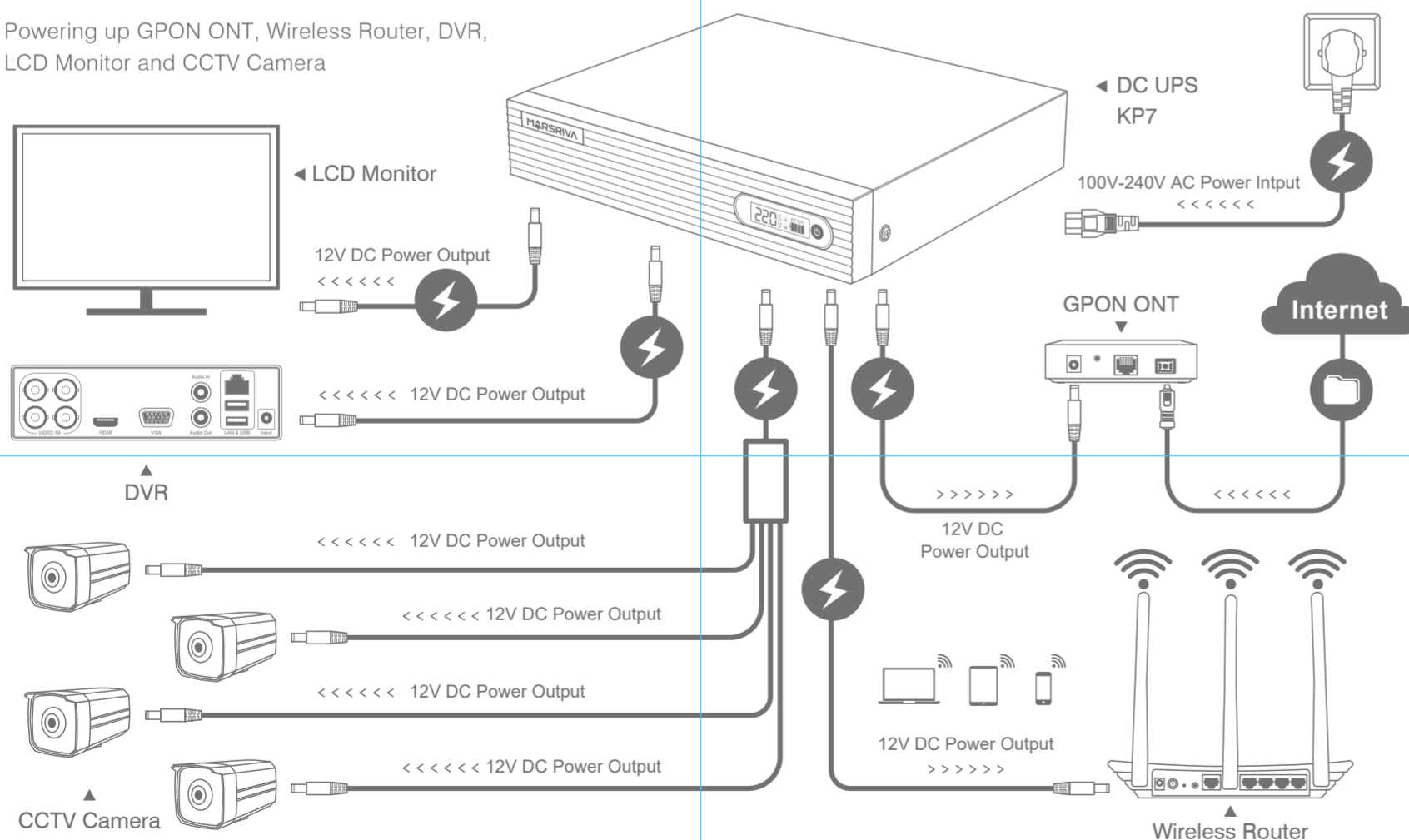
### Specifications

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 1 * DC 9V / 3.0A or 12V / 3.0A 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.

### 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.

### 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**  
  - 9V / 12V The output voltage of the DC port can be selected between 9V and 12V by moving the DC voltage switch.
  - 24V / 48V The output voltage of the PoE port can be selected between 24V and 48V by moving the PoE voltage switch.
3. **Indicator**  
  - In AC mode, the indicator light remains on.
  - BATTERY** 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.