

POWER **INSPIRED**

# iPower-Mini

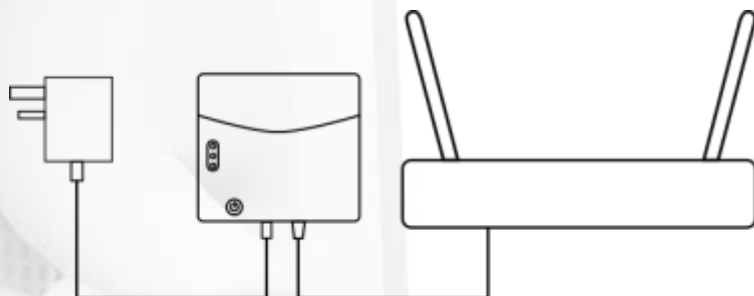
## DC Uninterruptible Power System

UPS for DC applications.

Ideal for modems, routers, CCTV, ONTs.



- Provides Uninterruptible DC Voltage
- Over an hour runtime for the majority of devices
- 9V or 12V input / output autosense
- High capacity Lithium Ion battery
- 24W output capacity
- Battery and unit status LEDs
- Full battery and unit protection circuitry built in
- Wall mountable
- Easy to install and use



The iPower-Mini simply connects between your existing power supply and equipment to provide a simple unobtrusive back up power solution.

**NOTE:** The iPower-Mini is designed to sit between the user supplied DC power supply and the DC equipment. No AC/DC power supply is supplied as standard. The DC power supply must be regulated for the input parameters of the iPower-Mini and suitably rated for the load with an additional allowance (typically 3W) for the unit internal circuitry and charger.

# SPECIFICATIONS

Model	iPower-Mini	
<b>INPUT <sup>1</sup></b>		
Voltage	9V / 12Vdc (Auto Detect)	
Range	9V : 8.2~10.0Vdc (4.14A) 12V: 10.6 ~ 13.4Vdc (3.10A)	
<b>OUTPUT</b>		
Voltage	9V / 12Vdc $\pm$ 5%	
Power Rating	24W	
Current	2.7A (9Vdc) / 2.0A (12Vdc)	
<b>BATTERY</b>		
Type	Lithium Ion 18650	
Voltage	3.7V	
Capacity	2500mAh	
Quantity	2S	
Wh	18.5	
<b>PROTECTION</b>		
Input	Over Voltage	
Output	MCU for over charge, over discharge, overload, short circuit	
Battery	Battery Protection IC for over charge, over discharge, overload, short circuit	
<b>INDICATORS</b>		
Source Indicator LED	Red LED: 9V, Green LED: 12V	
Battery LED	Constant Yellow: In battery mode, Flashing Yellow: Battery Low	
Status LED	Constant Green: Power ON and ready, Flashing Green: Power ON and charging	
<b>PHYSICAL</b>		
Input Connection	2.1x5.5mm DC Jack, Centre Positive	
Output Connection	2.1x5.5mm DC jack on 35cm cord, Centre Positive	
Dimensions	89x97x30 (WxDxH mm)	
Weight	195g	
<b>APPROVALS<sup>2</sup></b>		
UKCA / CE	BS EN61204-1, BS EN62477-1 RoHS, EMC to BS EN61204-3,	
Enclosure	ABS 94V0	

## NOTES

1. A regulated DC power supply must be provided at the required output voltage and rated at 3W over load rating - 27W for full load rating.
2. Product is exempt from Low Voltage Directive but designed in principle with safety and performance standards given.

## Runtime

POWER	1W	2W	6W	12W	18W	24W
RUNTIME	11hrs	6hrs	2hrs	1hr15	50min	33min

Runtimes based on discharge into resistive loads. Actual runtimes may differ due to varying load conditions and battery capacity

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