

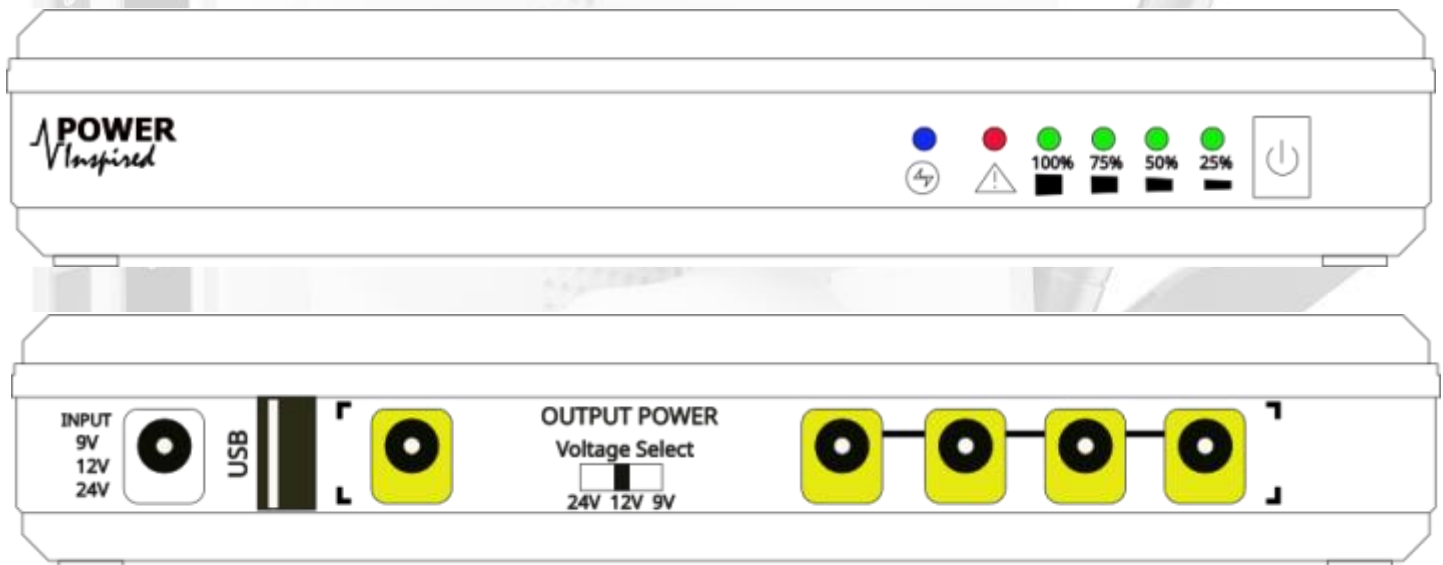
# iPower-DC<sup>2</sup>



## DC Uninterruptible Power System

UPS for DC applications.

Ideal for modems, routers, CCTV, ONTs.



- Provides Uninterruptible DC Output Voltage
- Over an hour runtime for the majority of devices
- 9V, 12V or 24V output via selection switch
- USB 10W (2A) output
- High capacity Lithium Ion battery
- 5 Output Jack ports for multiple equipment
- 30W output capacity
- Cold start capability (Can be used as Powerbank)
- Battery and unit status LEDs
- Full battery and unit protection circuitry built in.
- Supplied with 2x 2.1/2.5 sprung DC-DC leads
- DIN rail mountable with optional bracket

### Optional Accessories

- AC/DC Power Adapter 12V 3A (36W)
- 5.5x2.1mm—2x 5.5x2.1mm jack "Y" Cable
- DIN rail mounting bracket
- 100-240VAC—12V 3A DC power adapter on UK plug

Runtime Table	
WATTS	Runtime
5	> 6hrs
10	> 3½ hrs
15	> 2 hrs
20	1½ hrs
25	1hr
30	30 min

*Runtimes obtained with constant resistive loading on DC jack @12V. Runtimes are approximate due to variances in product loading, ambient temperature and battery age.*

**NOTE:** The iPower-DC<sup>2</sup> 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 DC<sup>2</sup> and suitably rated for the load with an additional allowance (typically 6W) for the unit internal circuitry and charger. For USB supplied equipment a separate AC/DC charger must be purchased as the DC<sup>2</sup> does not have a 5V input.

# SPECIFICATIONS

Model	IPOWER-DC2
<b>INPUT <sup>1</sup></b>	
Voltage Input	9V / 12V / 24Vdc
Range	9V : 8.7~9.7Vdc (4.14A) 12V: 11.6 ~ 13.1Vdc (3.10A) 24V: 23.2 ~ 25.4Vdc (1.55A)
Maximum Input Capacity	36W
<b>OUTPUT</b>	
Max Power [Total - USB+Jacks]	30W
<b>USB Port</b>	
Interface	USB Type A
Voltage	5V ±5%
Power Capacity	2.0A / 10W
<b>DC Output Jacks <sup>2,3</sup></b>	
Power Capacity	30W
Voltage	9Vdc / 12Vdc / 24Vdc (as per selector switch)
Range	9V : 8.5~9.5Vdc (3.33A) 12V: 11.4 ~ 12.6Vdc (2.50A) 24V: 22.8 ~ 25.2Vdc (1.25A)
<b>BATTERY</b>	
Type	18650 Lithium Ion
Capacity	4x 3.7V 2500mAh (2S2P)
Total Capacity	37.0Wh / 10,000mAh
<b>INDICATOR LEDS</b>	
Battery Status	4x Green LED indicating 25, 50, 75 & 100% charge Flashing - Charging, @ <10% discharging 25% LED flashes rapidly
Voltage	9V - Purple [Red/Blue], 12V - Blue, 24V - Red Flashing indicates on battery power
Red Fault LED	Overload / Voltage mismatch / Fault.
<b>PROTECTION</b>	
MCU	Overvoltage, overload, short circuit, over temperature
Battery	Over Charge, Over Discharge, Overload, short circuit
<b>PHYSICAL &amp; ENVIRONMENTAL</b>	
Input Connection	5.5x2.1mm DC Jack
Output	USB Type A 5x 5.5x2.1mm DC Jack
Dimensions (WxDxH mm)	160x107x29mm ± 1mm
Weight (Gross / Net)	435/375g
Temperature	Operating 0°C → 40°C
Humidity	0-90% Non Condensing
Altitude	To 2000m
<b>APPROVALS <sup>4</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 36W for full load rating.
2. The output voltage on the DC jacks is set by the selector switch and should match the nominal input voltage.
3. Applicable at primary jack port. At secondary jacks the voltage may be lower at higher loads.
4. Product is exempt from Low Voltage Directive but designed in principle with safety and performance standards given.



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Specifications are subject to change without notice.*

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