


5. Specifications

Rated frequency	50~60Hz			
Input voltage range	85~150Vac		150~275Vac	
Output power(Max.)	10W	60W	36W	95W
Output current(Max.)	2.0A	5.0A	3.0A	5.0A
Output	USB 5Vdc DC 12V, 9Vdc / 12Vdc & 19V (5mm socket)			
Output voltage range	12.5 ±1.5Vdc			
Output polarity	- -  +			
QTY. & capacity of battery	1800mAH *8 (LiFePO4)			
Unit dimension(mm)	263 *156 *40			
Net weight (kg)	0.7			

* Products specifications are subject to change without notice.

 **WARNING:**

1. Always check the working voltage, current and polarity of the loads before connecting them to the Ratel, then choose the corresponding voltage.
2. Charge device fully prior to initial use.
3. Damage caused by dropping, disassembling or attempting to repair the Ratel privately will render your warranty null and void.
4. Do not immerse the Ratel in water or allow it to get wet.
5. Do not dispose of any of the Ratel's components in fire.
6. Do not use the Ratel in flammable environments
7. Keep the Ratel out of reach of children and unauthorised persons.

GUARANTEE CERTIFICATE

Customer's Name			Serial No.:		
Address			Contact Person		
Product/Model*			Telephone No.		
Post Code		Fax No.			
Date of purchase		Expire Date			
Dealer Signature		Customer Signature			

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USER MANUAL



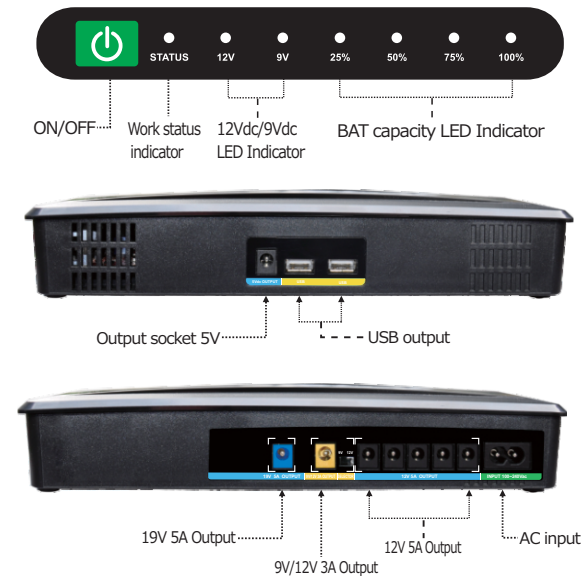
Ratel 8100

{ Thank you for choosing the OMNIPOWER RATEL MICRO UPS. Before operating this unit, please read the USER MANUAL carefully to ensure the best possible performance is obtained. }

1 . OmniPower Ratel Micro DC UPS Package

- 1) DC UPS
- 2) AC power cable
- 3) User's manual
- 4) Warranty card

2 . Introduction to display, ports and sockets

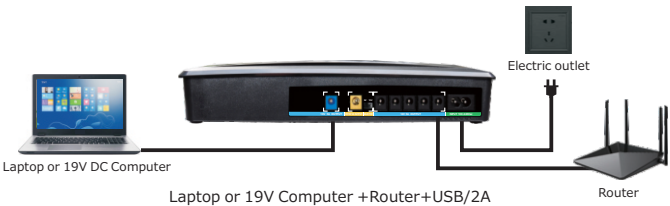


3. Features

1. High-capacity lithium batteries provide long backup to your loads.
2. High compatibility, the Ratel is suitable for most digital products on the market.
3. Intelligent circuit design with BMS to protect against over-charge, over-discharge, short-circuit protection, and balance batteries.
4. Built-in adapter allows wide AC voltage range (85 ~ 265Vac).

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4 . How to Use



1. In order to prevent over-discharge of the lithium batteries, please restart the Ratel when AC power becomes available after low-battery cutoff.
2. Before connecting loads to the Ratel, it is essential that you check their nominal working voltage, current and polarity, which you will find on their original adapters.
3. The output power of this model is controlled by total power capacity. The total power of the loads which connect to all the ports cannot exceed the maximum output power of your model. If this does occur, the USB ports will be closed and the status light will flash yellow. If the total power of the loads still exceeds the maximum power rating after the USB ports are closed, all the output ports will be closed, and all power indicator lights will flash. In this situation, please remove excess loads.
4. Press and hold the power key for 2 to 3 seconds to boot up the Ratel. If the output voltage indicator is green, this DC port is outputting voltage, and one can select between 9V and 12V by sliding the DC voltage switch. After plugging the Ratel into the grid, the status light will turn green to indicate the battery is charging. 100% means the battery is fully charged. In the process of charging, the power indicator light indicates the capacity of the battery in 25% increments – 25%, 50%, 75% and 100%. When disconnected from the grid, the power indicator lights will indicate the decreasing capacity of the battery in 25% increments – 100%, 75%, 50% and 25%. When the indicator light at the 25% marks begins to flash, this means that battery power is very low. Press and hold the power key for 2 to 3 seconds to turn off the Ratel and stop output voltage.
5. The Ratel will shut down automatically when it reaches low battery status; it will restart with output power when the AC power is restored.
6. If the Ratel will not be used for extended periods, ensure that it is fully charged before storing in a cool, dry place. If the Ratel has been in storage too long, you will need to plug in grid power until the status light turns green. It is recommended that the Ratel battery is charged once per month.

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