



RP-UPH603R | RP-UPH104R

6KVA / 10KVA Double conversion On-Line UPS (High Frequency) Rack Type



RP-UPH 603R/104R is On-Line high capacity UPS in rack type, available in 6KVA and 10KVA models, is at the forefront of technological advancement, delivering outstanding performance and reliability. Its wide input range enables smooth operation even in areas with unreliable power supply, making it an ideal choice for a wide range of applications. With intelligent battery management, it effectively prevents unnecessary discharges, thereby prolonging the battery's lifespan and ensuring reliable backup power.

The rectifier stage of RP-UPH603R/104R incorporates advanced techniques such as high frequency, PWM, and power factor correction. This combination ensures a pure sine wave input current and achieves a power factor of over 95%. By minimizing the harmonic current drawn from the utility, this UPS eliminates any interference to the power source, providing a clean and stable power supply. Moreover, the inverter of the UPS utilizes the latest IGBT technology and high-frequency PWM method, enabling swift response to load changes, especially during the startup of computer loads.

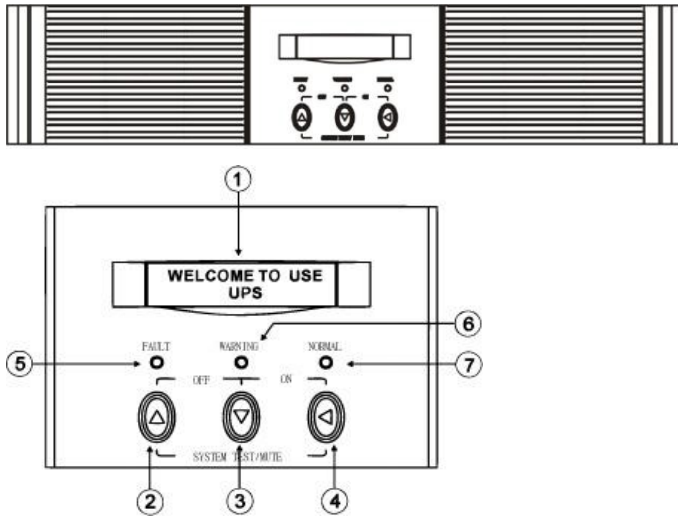
The entire power system of RP-UPH603R/104R have been meticulously designed to optimize efficiency, resulting in reduced operating costs and minimized heat dissipation. Through intelligent software programs, the UPS unit offers continuous self-diagnosis capabilities, allowing for proactive monitoring and management. The panel displays clear and comprehensive status and data, facilitating easy monitoring and ensuring efficient control of the UPS. With its exceptional features and cutting-edge technology, RP-UPH603R/104R set a new standard for performance, reliability, and user-friendly operation in high-capacity UPS systems.

Features

- True sine wave, double conversion, on-line UPS
- Wide input range designed to operate under harsh environment
- High input power factor and DC-start function
- Output power factor 1
- Emergency power off function (EPO) connector
- Communication ports selectable: smart RS232, USB and SNMP(option)
- LED and LCD display for detail status and data; real-time alarm silence

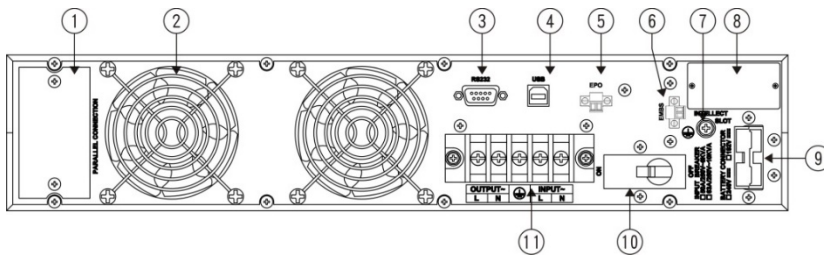
- Light weight and compact size, easy to transport and place

Front Panel



1. LCD Display
2. Up-key
3. Down-key
4. Enter-Key
5. Fault LED (red)
6. Warning LED (yellow)
7. Normal LED (green)

Back Panel



1. Parallel connection
2. Fan
3. RS232 port
4. USB port
5. EPO connector
6. Signal connector of maintain bypass
7. Classic ground screw
8. Intelligent slot
9. External battery connector
10. Input breaker
11. Input / Output terminal

Specifications

Model		RP-UPH603R	RP-UPH104R
Capacity		6KVA/6KW	10KVA/10KW
Input	Nominal voltage	220Vac ; 1P2W+G	
	Nominal frequency	50Hz / 60Hz	
	Outlet	Terminal blocks	
	Voltage range	110Vac~300Vac [load <50%]	
	Low voltage transfer	110Vac [load <50%]	
		110Vac + 2.2* (load%-50%) [load 50%~80%]	
		176Vac [load>80%]	
	Power factor	≥ 99% [100% RCD load, nominal input voltage, nominal load, full battery]	
Battery	Type/Number	Seal Lead Acid battery 12V*20pcs	
	Built-in	N/A	
	Charging voltage	273Vdc	
	Charging current	1A / 2A / 3A / 4A [Max: 4A]	
Output	Voltage	208/220/230 or 240Vac [power derating 90% for 208Vac]; 1P2W+G	
	Frequency	50Hz / 60Hz ± 0.1Hz	
	Outlet	Terminal blocks	
	Wave-form	True sine wave	
	Power factor	1	
	Frequency lock range	50Hz / 60Hz ± 4Hz	
	Overload (Line mode)	100%~110% : 10 minutes ; 110%~130% : 1 minute ; >130% : 1 second	
	Overload (Battery mode)	100%~110% : 30 seconds ; 110%~130% : 10 seconds ; >130% : shutdown immediately	
	Transfer time	0ms	
Efficiency	Line mode	93% [R load 100%]	
	Battery mode	91% [R load 100%]	
Display	LED	Yes	
	LCD	Yes	

	Alarm	Yes	
Communication	connector	RS232*1 / Intelligent slot*1	
	Interface card	Option : USB , AS400 or SNMP	
Environment	Audible noise	<55dB@1M	<58dB@1M
	Operating humidity	<95% ; non-condensing	
	Operating temperature	0-40°C	
	Altitude	<1000m for nominal power [>1000m the power derating is 1% every 100m]	
Physical	Dimension (W*D*H)	440*605*88mm	
	Weight (with battery)	N/A	N/A
	Weight (without battery)	14 kgs	16.5 kgs

** Specifications are subjected to change without further notice.

Ordering Information

RP-UPH603R	6KVA/6KW Double conversion On-Line UPS (High Frequency) Rack Type
RP-UPH104R	10KVA/10KW Double conversion On-Line UPS (High Frequency) Rack Type
MOD-DP504	UPS SNMP Adapter for RP-UPH 6~10KVA series
MOD-UPHUB300	USB Card for RP-UPH 6~10KAV series