

**RP-UPH103R | RP-UPH203R |
RP-UPH303R****1KVA ~ 3KVA Double conversion
On-Line UPS (High Frequency)
Rack Type**

RP-UPH series On-Line rack mount UPS is a state-of-the-art solution that stands out with its exceptional performance and reliability. Its cutting-edge technology enables smooth operation even in areas with unreliable power supply, making it highly versatile for various applications. With an impressive input range, this UPS ensures uninterrupted power supply, while intelligent battery management prevents unnecessary discharges, thus extending the battery's lifespan.

The rectifier stage of the RP-UPH series incorporates advanced techniques such as high frequency, PWM, and power factor correction. These technologies guarantee a pure sine wave input current and achieve a power factor of over 95%. By drawing minimal harmonic current from the utility, the UPS eliminates any interference to the power source, ensuring a clean and stable power supply. Additionally, the inverter of the UPS utilizes the latest IGBT technology and high-frequency PWM method, enabling rapid response to load changes, especially during computer startup.

The entire power system of the RP-UPH series is meticulously designed to optimize efficiency, resulting in reduced operating costs and minimized heat dissipation. The UPS unit is intelligently controlled by innovative software programs, providing continuous self-diagnosis capabilities. The panel displays various status and data clearly, allowing for easy monitoring and management of the UPS. With its outstanding features and advanced technology, the RP-UPH series sets a new standard for performance, reliability, and user-friendly operation in the field of rack mount UPS systems.

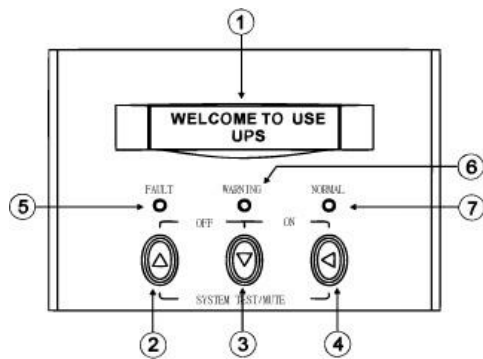
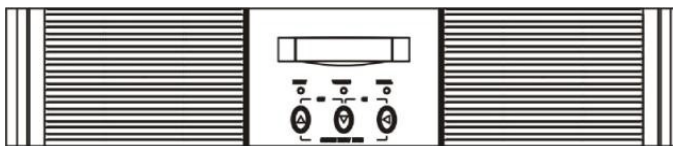
Features

- True Sine-wave double conversion on-line UPS
- Multiple Microprocessor High frequency design & DSP Technology
- Unity input power factor and wide input range
- Extended backup time

**1KVA****2-3KVA**

- Two-way dialogue interactive dot-matrix LCD control panel
- Detachable LCD or LED Control Panel selectable
- Communication ports selectable: Smart RS232, SNMP, AS-400, USB and DB-9
- DC start and automatic self-diagnostic function
- Low heat dissipation in long time operation
- High efficiency design to save electricity
- Enhanced protections against lighting surges, disturbances etc.
- Designed to operate under harsh environment

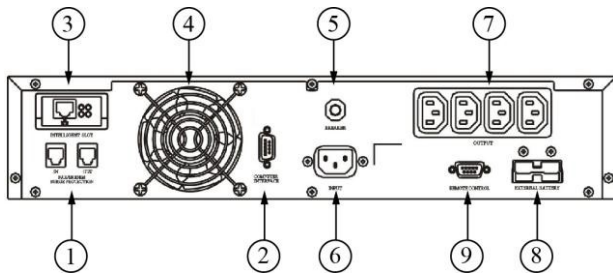
Front Panel



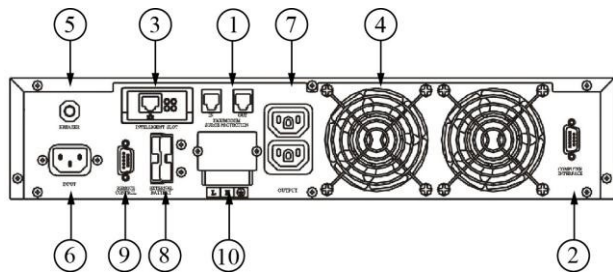
1. LCD Display
2. Up-key
3. Down-key
4. Enter-Key
5. Fault LED (red)
6. Warning LED (yellow)
7. Normal LED (green)

Back Panel

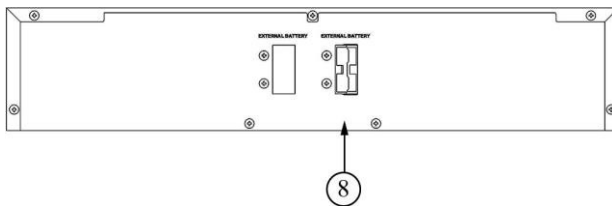
1KVA



2KVA-3KVA



Battery bank



1. Fax / Modem (Surge Protection)
2. DB 9 (RS-232) Interface Port
3. Intelligent Slot (Option)
4. Fan
5. Breaker
6. Input Socket
7. Output Socket (NEMA or IEC)
8. External Battery Socket
9. Remote Control
10. Output Socket (for 2KVA NEMA or IEC)

Specifications

Model		RP-UPH103R	RP-UPH203R	RP-UPH303R
Capacity		1KVA/700W	2KVA/1400W	3KVA/2100W
Input	Phase	Single Phase		
	Nominal Voltage	220Vac/110Vac		
	Voltage Range	160-300Vac(70%-100%load),140-300Vac (50%-70% load), 118-300Vac (0%-50% load)		
	Frequency	50Hz / 60Hz ± 4Hz		
	Power Factor	≥0.95	≥0.97	
Output	Voltage	220VAC ± 2% (230V or 240V re-settable via LCD panel) 110V ± 2% (100V,115V or 120V re-settable via LCD panel)		
	Frequency	Synchronized (Line mode) ; 50Hz or 60Hz +/-0.5% (Battery mode)		
	Wave-form	True Sine wave		
	Distortion	≤4% (linear load) ,≤7% non-linear load)		
	Overload Capacity	105% - 125% :5 min, 125%~150%: 30 sec., >150% : 200ms		
	Crest Ratio	03:01		
Battery	DC Voltage	36V	96V	

	Capacity	12V / 7Ah *3pcs	12V / 7Ah *8pcs	
	Back-up Time	< 5 min.	< 9 min.	< 5 min.
Charger	Built-In /Option	1Amp/8Amp	1Amp/8Amp	
	Recharging Time	5 hrs to 90%		
Bypass	Automatic	Overload or UPS fault		
	By setting	Voltage Range: 176~256V±20V (Re-settable via LCD panel)		
	Transfer Time	0 ms(2.5ms inverter to bypass)		
Indicator	LCD	UPS status, I/P&O/P Voltage & Frequency, Load %, Battery Voltage, Battery Capacity %, Temperature, Model Spec., Event Log.		
		LED: Normal (Green), Warning (Yellow), Fault (Red)		
Outlet	Rack	NEMAx4pcs or IEC320x4pcs	NEMAx2+TBx1 or IEC320x4pcs	NEMAx2+TBx1 or IEC320x1+TBx1
Audible Alarm	Battery Mode	Beeping every 4 seconds (re-settable)		
	Battery Low	Beeping every seconds		
	Overload	Beeping twice per second		
	Fault	Beeping Continuously		
Interface	RS-232 Interface	UPSilon2000 monitoring software for Windows all, Unix systems and Novell.		
	Multi-Interface Slot	SNMP card, AS 400, Dry Contact, USB Selectable		
Network	Surge Protection	RJ45 I/O port for Network or RJ 11 for Fax / Modem		
Parallel		N/A		
Environment	Temperature	0~40℃ : 32~104°F		
	Humidity	0-95% non-condensing		
	Acoustic Noise	<45 dBA (at 1M)	<50 dBA (at 1 M)	
Physical	Weight (w/o Battery)	8.0 kgs	9.5 kgs	10.5 kgs
	Weight (w/ Battery)	15.5 kgs		
	Dimension W*H*D	440 x 88 x 465mm		
	Color	White		

Ordering Information

RP-UPH103R 1KVA/700W Double conversion On-Line UPS (High Frequency), Rack Type
RP-UPH203R 2KVA/1400W Double conversion On-Line UPS (High Frequency), Rack Type
RP-UPH303R 3KVA/2100W Double conversion On-Line UPS (High Frequency), Rack Type
RP-UPSSNMP UPS SNMP Card
MOD-UPHUB310 USB Card for RP-UPH 1~3KAV series