

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

RP-UPH series On-Line UPS is designed with latest technology, making it distinguished by its performance and reliability. The input range is extraordinary wide from 118V to 300V so that the UPS can still run well in areas of poor utility and be robust in

various applications. It also eliminates unnecessary battery discharges to prolong the life expectancy of battery. The rectifier stage of RP-UPH series implements high frequency, PWM, and power factor correction method. Therefore, the input current is purely sine wave, and power factor can be over 95%.

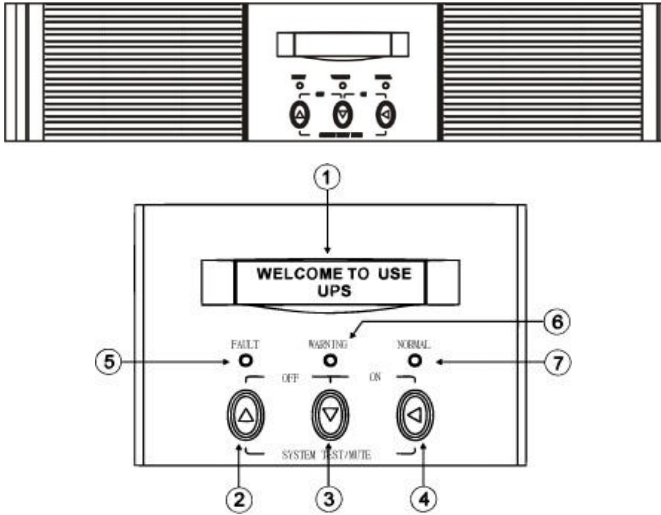
RP-UPH series have very small harmonic current drawn from the utility. That is, it generates no interference to the utility. Beside, the inverter of the unit adopts newest and tough IGBT, high frequency PWM method. So it can response quickly to load change, especially the impressive capability of starting computer load. All power stages are carefully designed to optimal efficiency so as to save the user's running cost, and minimize heat dissipation. The unit, controlled by the innovative software programs, can self-diagnose all the time and provides various status and data displayed clearly on the panel.

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

## 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
- 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 lightning surges, disturbances etc.
- Designed to operate under harsh environment

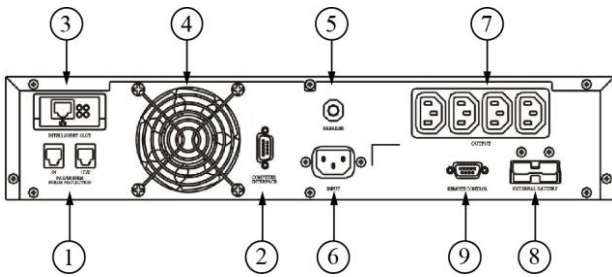
## Front Panel



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

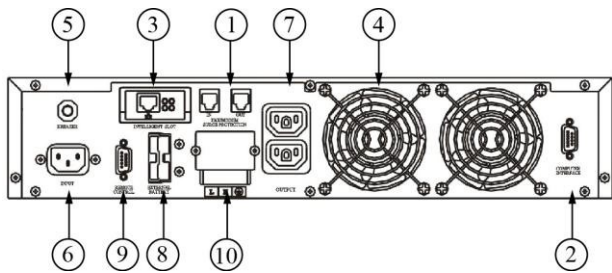
## Back Panel

### 1KVA



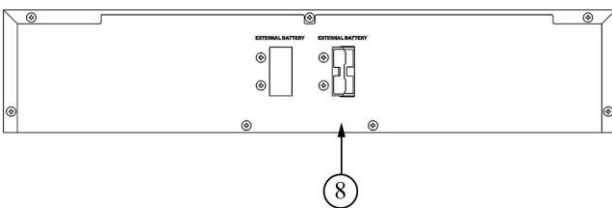
1. Fax / Modem (Surge Protection)
2. DB 9 (RS-232) Interface Port
3. Intelligent Slot (Option)
4. Fan
5. Breaker
6. Input Socket
7. Output Socket (NEMA or IEC)

### 2KVA-3KVA



8. External Battery Socket
9. Remote Control
10. Output Socket (for 2KVA NEMA or IEC)

### Battery bank



## Specifications

Model		RP-UPH103R	RP-UPH203R	RP-UPH303R
Input	Capacity	1KVA/700W	2KVA/1400W	3KVA/2100W
	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°C ; 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

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