

## RP-UPH103T | RP-UPH203T | RP-UPH303T

### 1KVA / 3KVA Double conversion On-Line UPS (High Frequency) Tower 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%.

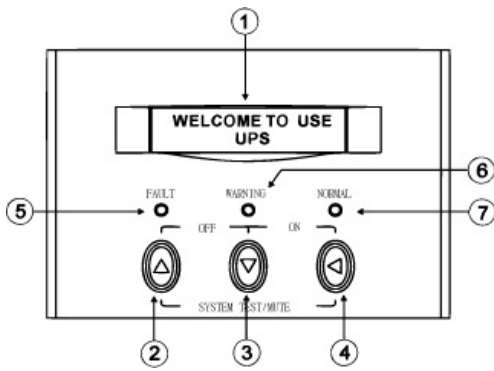
RP-UPH series have very small harmonic current drawn from the utility. That is, it generates no interference to the utility. Beside, the inverter of the unit adopts newest and tough IGBT, high frequency PWM method. So it can response quickly to load change, especially the impressing capability of starting 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.



## 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

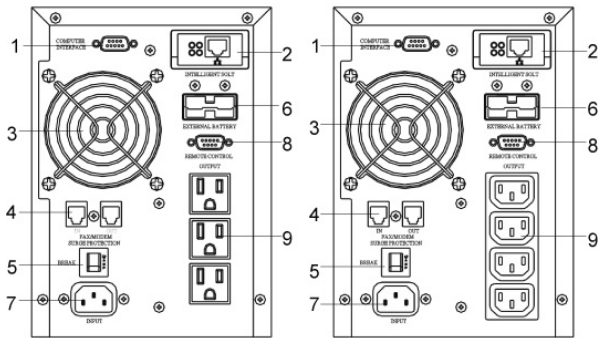
## Front Panel



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

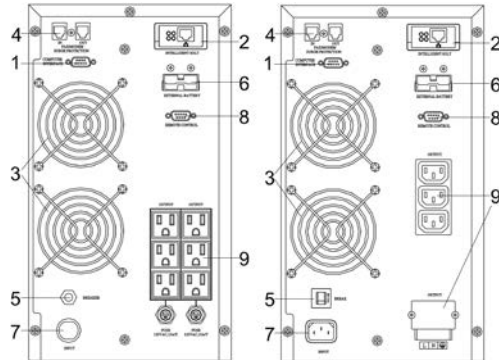
## Back Panel

### 1KVA / 2KVA



1. Communication port
2. Intelligent Slot
3. Cooling Fan
4. Tel/Modem Spike Protection Port
5. Input Breaker

### 3KVA



6. External Battery
7. Input port
8. Remote control
9. Outlets

## Specifications

Model		RP-UPH103T	RP-UPH203T	RP-UPH303T
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		

	<b>Distortion</b>	≤3% (linear load) , ≤ 6% (non-linear load)	≤4% (linear load) , ≤7% (non-linear load)	
	<b>Overload Capacity</b>	105% - 125% :5 min, 125%~150%: 30 sec., >150% : 200ms		
	<b>Crest Ratio</b>	03:01		
<b>Battery</b>	<b>DC Voltage</b>	36V	96V	
	<b>Capacity</b>	12V / 7Ah *3pcs	12V / 7Ah *8pcs	
	<b>Back-up Time</b>	< 5 min.	< 9 min.	< 5 min.
<b>Charger</b>	<b>Built-In /Option</b>	1Amp/8Amp	1Amp/8Amp	
	<b>Recharging Time</b>	5 hrs to 90%		
<b>Bypass</b>	<b>Automatic</b>	Overload or UPS fault		
	<b>By setting</b>	Voltage Range: 176~256V±20V (Re-settable via LCD panel)		
	<b>Transfer Time</b>	0 ms( 2.5ms inverter to bypass)		
<b>Indicator</b>	<b>LCD</b>	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)		
<b>Outlet</b>	<b>Tower</b>	NEMA *3pcs or IEC320 *4pcs	NEMA *6pcs or IEC320 *6pcs	NEMA *6pcs or IEC320 *3+ TB *1
<b>Audible Alarm</b>	<b>Battery Mode</b>	Beeping every 4 seconds (re-settable)		
	<b>Battery Low</b>	Beeping every seconds		
	<b>Overload</b>	Beeping twice per second		
	<b>Fault</b>	Beeping Continuously		
<b>Interface</b>	<b>RS-232 Interface</b>	UPSilon2000 monitoring software for Windows all, Unix systems and Novell.		
	<b>Multi-Interface Slot</b>	SNMP card, AS 400, Dry Contact, USB Selectable		
<b>Network</b>	<b>Surge Protection</b>	RJ45 I/O port for Network or RJ 11 for Fax / Modem		
<b>Parallel</b>		N/A		
<b>Environment</b>	<b>Temperature</b>	0~40°C ; 32~104°F		
	<b>Humidity</b>	0-95% non-condensing		
	<b>Acoustic Noise</b>	<45 dBA ( at 1M )	<50 dBA ( at 1 M)	
<b>Physical</b>	<b>Weight (w/o Battery )</b>	6.5 kgs	13.5kgs	14.5kgs
	<b>Weight (w/ Battery)</b>	15 kgs	34 kgs	35 kgs
	<b>Dimension W*H*D</b>	160 * 220 * 400 mm	200 * 352 * 450 mm	
	<b>Color</b>	White		

## Ordering Information

<b>RP-UPH103T</b>	1KVA/700W Double conversion On-Line UPS (High Frequency) Tower Type
<b>RP-UPH203T</b>	2KVA/1400W Double conversion On-Line UPS (High Frequency) Tower Type
<b>RP-UPH303T</b>	3KVA/2100W Double conversion On-Line UPS (High Frequency) Tower Type
<b>MOD-UPSSNMP</b>	UPS SNMP Card for RP-UPH 1~3KAV series
<b>MOD-UPHUB310</b>	USB Card for RP-UPH 1~3KAV series