

**RP-UPH103T | RP-UPH203T |
RP-UPH303T****1KVA / 3KVA Double conversion
On-Line UPS (High Frequency)
Tower Type**

The RP-UPH series On-Line tower type UPS offers exceptional performance and reliability, thanks to its cutting-edge technology. Available in 1Kva, 2Kva, and 3Kva models, it operates smoothly even in areas with unreliable power supply, making it a versatile choice for various applications. Its intelligent battery management system prevents unnecessary discharges, effectively extending the lifespan of the UPS battery.

With advanced techniques such as high frequency, PWM, and power factor correction, the rectifier stage of the RP-UPH series ensures a pure sine wave input current and achieves a power factor of over 95%. This minimizes the harmonic current drawn from the utility, eliminating any interference to the power source and delivering a clean and stable power output. The UPS's inverter incorporates the latest IGBT technology and high-frequency PWM method, enabling it to respond rapidly to load changes, especially during the startup of computer loads.

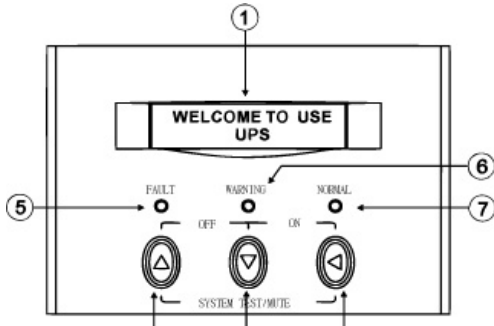
Meticulously designed for efficiency optimization, the RP-UPH series reduces operating costs and minimizes heat dissipation. Its intelligent software programs provide continuous self-diagnosis capabilities, allowing users to monitor and manage the UPS easily. The control panel displays various status and data clearly, ensuring convenient monitoring and management of the UPS. With its exceptional features and advanced technology, the RP-UPH series stands as a reliable and high-performance choice for tower type 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
- 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

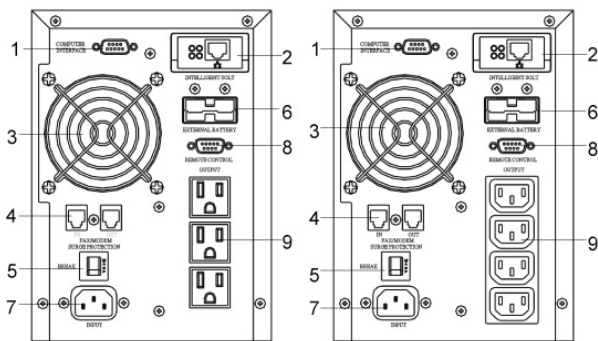
Front Panel



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

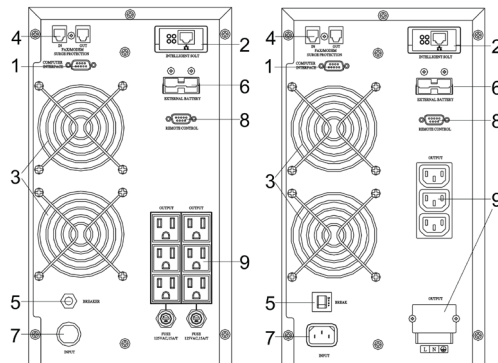
Back Panel

1KVA / 2KVA



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 |
|----------|-----------------|--|-------------|------------|
| 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 \pm 4Hz | | |
| | Power Factor | ≥ 0.95 | ≥ 0.97 | |
| Output | Voltage | 220VAC \pm 2% (230V or 240V re-settable via LCD panel) 110V \pm 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 | ≤3% (linear load) , ≤6% (non-linear load) | ≤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 | Tower | NEMA *3pcs or IEC320 *4pcs | NEMA *6pcs or IEC320 *6pcs | NEMA *6pcs or IEC320 *3+ TB *1 |
| 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) | 6.5 kgs | 13.5kgs | 14.5kgs |
| | Weight (w/ Battery) | 15 kgs | 34 kgs | 35 kgs |
| | Dimension W*H*D | 160 * 220 * 400 mm | 200 * 352 * 450 mm | |
| | Color | White | | |

*Product specifications are subject to change without further notice.

Ordering Information

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

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