



SERVERS



WORKSTATIONS



CCTV



LABORATORY



POS

**1-1 PHASE**

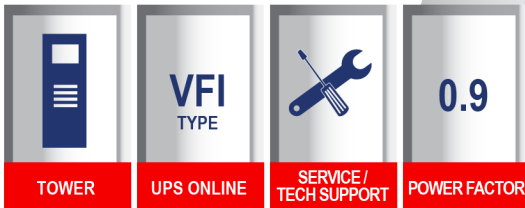
# UP903

3kVA

True online technology

Intuitive LCD

DSP Technology



The UP903 is designed to withstand all types of loads found typically in server, workstation, CCTV, laboratory and point of sale applications.

## GENERAL SPECIFICATIONS

- True on-line double conversion technology
- DSP control technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110V - 300 Vac) and frequency range (40 - 70 Hz)
- Auto sensing frequency
- 50 / 60 Hz frequency conversion
- Rear ventilation design and variable speed fan
- Effective software and hardware protection
- Quick and stable charging, 90% capacity restored in 3 h (standard model UPS)
- Settable delayed start when power is restored
- Advanced battery management (ABM)
- Multiple functions settable via LCD: output voltage, EOD, auto-start, bypass mode, ECO mode and frequency conversion mode
- Multi-platform communications: RS232 (standard), USB / RS485 / SNMP / dry contacts (optional)

**Available Options:** Optional USB, RS485 card, AS400 dry contacts, SNMP card, SMS alarms, EPO function, and 12 A charger (2-3 kVA only)

## TECHNICAL SPECIFICATIONS

MODEL	UP903
Capacity	3 kVA / 2700 W
<b>INPUT</b>	
Rated Voltage	208 V / 220 V / 230 V / 240 Vac
Voltage range	110 - 176Vac ( linear derating between 50% and 100% load); 176 - 280 Vac (no derating); 280 - 300Vac (derating 50%)
Frequency	45 - 55 Hz or 55 - 65 Hz (synchronized range); 50 / 60 Hz + 0.1 Hz (battery mode)
Power factor	≥ 0.99
By-pass voltage range	- 25% ~ +15% (settable)
<b>OUTPUT</b>	
Voltage	208 VI 220 V / 230 V / 240 Vac (settable via LCD)
Voltage regulation	± 1%
Frequency	45 - 55 Hz or 55 - 65 Hz (synchronized range); 50 / 60 Hz + 0.1 Hz (battery mode)
Waveform	Sinusoidal
Crest factor	3:1
Harmonic distortion	≤ 2% (linear load); ≤ 5% (non-linear load)
Transfer time	Mains mode to battery mode: 0ms Inverter mode to bypass mode: 4 ms (typical)
Overload	105% - 125% for 1 min, 125% - 150% for 30 s, > 150% for 300 ms
<b>EFFICIENCY</b>	
Mains mode	≥ 92%
Battery mode	≥ 87%
ECO mode	≥ 97%
<b>BATTERIES</b>	
DC voltage	72V
Inbuilt battery	6 x 9 Ah
Charging current (max.)	1 A
Recharge time	8 h
<b>ALARMS</b>	
Utility failure	4 s per beep
Low battery	1 s per beep
Overload	1 s twice beep
UPS fault	Long beep
<b>OTHERS</b>	
Communications	RS232 (standard), USB / RS485 / dry contacts/ SNMP (optional)
Operating temperature	0 - 40°C
Relative Humidity	- 90% (non-condensing)
Noise level	≤ 50dB ( 1m)
Dimensions (mm) (W x D x H)	191 x 464 x 335
Net weight (kg)	32
Gross weight (kg)	34

- Derate capacity to 70% in CUCF mode and to 90% when the output voltage is adjusted to 208 Vac.
- S means standard model, H means long time model.
- All specifications subject to change without notice.
- Custom-made specifications are acceptable.