

Online UPS

TSR901-903RT

1KVA-3KVA

Features:

- High frequency and true double-conversion
- DSP (Digital Signal Processors) technology
- Input power factor correction (PFC)
- Wide input voltage range (110V ~ 300V)
- Output power factor 0.9
- Cold start
- Auto sensing frequency
- ECO mode operation for energy saving
- Selectable output voltage via LCD
- Output bypass settable via LCD
- Power-on self test
- Advanced battery management (ABM)
- Short circuit and overload protection
- Automatic charging in OFF mode
- Auto control fan speed when loads varies
- Standard RS232 communication port and RJ45 protection
- Optional USB / SNMP communication port
- Optional emergency power off (EPO)
- Optional extension battery ba
- Optional built-in isolation transformer



Rear Panel:

1. Overcurrent protection
2. AC Input
3. Modem/Tel/Fax
4. DC Input
5. Outlet
6. Fan
7. RS232
8. EBO (optional)
9. USB (optional)
10. Intelligent Slot



-MODEL	TSR901RT	TSR902RT	TSR903RT					
Capacity	1 KVA / 900 W	2 KVA / 1800 W	3 KVA / 2700 W					
INPUT								
Rated voltage	208 V / 220 V / 230 V / 240 Vac							
Voltage range	110 ~ 176 Vac (linear derating between 50% and 100% load); 176 ~ 280 Vac (no derating); 280 ~ 300 Vac (derating 50%)							
Frequency	40 ~ 70 Hz (auto-sense)							
Power factor	≥ 0.99							
Bypass voltage range	-25% ~ +15% (settable)							
OUTPUT								
Voltage	208 V / 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: 0 ms Inverter mode to bypass mode: 4 ms (typical)							
Overload capability	105% ~ 125%: transfer to bypass in 1 min; 125% ~ 150%: transfer to bypass in 30 s; > 150%: transfer to bypass in 300 ms							
EFFICIENCY								
Mains mode	≥ 90%	/	≥ 92%					
Battery mode	≥ 85%	/	≥ 87%					
ECO mode	≥ 95%	/	≥ 97%					
BATTERIES								
Inbuilt battery	2pcs×9 Ah	/	/	/	/	/	3pcs×7 Ah	/
Charging current (max.)	1 A	6 A	/	/	/	/	1 A	6 A
Recharge time	8 h							
ALARMS								
Utility failure	4 s per beep							
Low battery	1 s per beep							
Overload	1 s twice beep							
UPS fault	Long beep							

COMMUNICATIONS										
RS232 (standard) / USB (optional)	Supports Windows® 98 / 2000 / 2003 / XP / Vista / 2008 / Windows® 7 / 8 / 10									
SNMP (optional)	Power management from SNMP manager and web browser									
OTHERS										
Operating temperature	0 ~ 40°C									
Relative Humidity	0 ~ 90% (non-condensing)									
Noise level	≤ 50 dB (1m)									
Dimensions (W×D×H) (mm)	144×336×214	144×414×214	144×336×214	191×418×335				191×464×335	191×418×335	
Packaged dimensions (W×D×H) (mm)	232×417×318	231×492×316	232×417×318	318×533×471				320×573×471	318×533×471	
Net weight (kg)	9.5	13	6	18	25.7	10.5	27.2	32	11	
Gross weight (kg)	10.5	14.2	7	19.5	27.4	12	29	34	12.5	

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