

Online UPS

TS RACK 1-2-3KVA

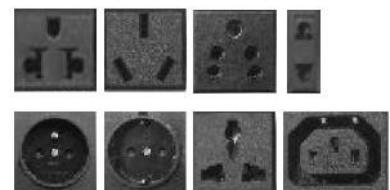
Features:

- High frequency on-line double conversion technology
- DSP (Digital signal processors) control technology
- Active power factor correction (APFC), input power factor up to 0.99
- Output power factor 0.9
- Wide input voltage range (110 V ~ 300 Vac) and frequency range (40 ~ 70 Hz)
- Auto sensing frequency
- 50/60Hz frequency conversion
- Cold start
- 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)
- Linear derating in low voltage input reducing battery discharging times
- 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)



Rear panel

- 1.Overcurrent Protection
- 2.AC Input
- 3.Modem/Tel/Fax
- 4.DC Input
- 5.Outlets
- 6.FAN
- 7.RS232
- 8.EPO (optional)
- 9.USB (optional)
- 10.Intelligent Slot



Optional socket

Available Options:

- Optional USB,RS485 card,AS400 dry contacts, SNMP card, SMS alarms, EPO function, MBS (External maintenance bypass switch)

Noise level	≤50dB (1m)
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Specifications:

MODEL	TS901PSR	TS902PSR	TS903PSR			
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	-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 capacity	105% ~ 125% for 1 min, 125% ~ 150% for 30 s, > 150% for 300 ms					
EFFICIENCY						
Mains mode	≥ 90%	≥ 91%	≥ 92%			
Battery mode	≥ 85%	≥ 86%	≥ 87%			
ECO mode	≥ 95%	≥ 96%	≥ 97%			
BATTERIES						
DC voltage	24 V	36 V	48 V	72 V	72 V	96 V
Inbuilt battery	2 × 9 Ah	3 × 7 Ah	4 × 9 Ah	6 × 7 Ah	6 × 9 Ah	8 × 7 Ah
Charging current (max.)	1 A		1 A		1 A	
Recharger 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					
OTHERS						
Communications	RS232 (standard), USB / RS485 / dry contacts / SNMP (optional)					
temperature	0~40°C					
Relative humidity	0~90%(non-condensing)					

Dimensions (WxDxH) (mm)	440 × 468 × 88			440 × 658 × 88		440 × 468 × 88	440 × 658 × 88	440 × 468 × 88 (UPS)	440 × 468 × 88
Packaged dimensions (WxDxH) (mm)	545 × 592 × 198			545 × 782 × 201		545 × 592 × 198	545 × 782 × 201	545 × 592 × 198 (UPS)	545 × 592 × 198
Net weight(kg)	12.26	13.78	7.58	22.73	25.86	9.66	29.26	9.45 (UPS) 27.2 (BAT)	10.04
Gross weight(kg)	15.78	17.3	11.1	26.63	29.76	13.18	33.16	12.97(UPS) 30.2 (BAT)	13.56