

Uninterruptible Power Systems

Pulsar Server Online Tower UPS

SERIES

1000 / 2000 / 3000 / 6000 / 10 000 VA

Models

PSOT-1000-02-09-02

PSOT-2000-04-09-03

PSOT-3000-06-07-03

PSOT-6000-16-07-00

PSOT-10000-16-09-00



MAIN FEATURES

- 1 DSP control, with excellent performance and comprehensive protections
- 2 Output power factor 1.0, offering more stronger load capability
- 3 Advanced 3 level inverter technology, 95% efficiency, saving electricity cost
- 4 Ultra Wide Input: 110V-300Vac, well compatible with Gen-set
- 5 PCB with conformal coating for critical environment
- 6 EPO (emergency power off) and ECO function
- 7 Compact design to save installation space
- 8 Configurable output: 220/230Vac with LCD screen
- 9 AC and cold start function
- 10 Default RS232& USB and EPO interface, SNMP card (Optional)
- 11 IBM charger 1-12A settable, extending battery lifespan and satisfying fast charging requirement
- 12 Standard model with external battery interface for extending back up time
- 13 Battery test and EOD voltage settable on LCD
- 14 Simple design for fast and easy maintenance
- 15 Intelligent fan running, varying according to load and temperature
- 16 Default battery breaker for safety and convenience
- 17 Advanced parallel up to 4 units (Optional)
- 18 Manual bypass for 6-10kVA (Optional)



Pulsar Server Online Tower UPS 1/2/3/6/10 KVA

Model	PSOT-1000-X-36-02 PSOT-1000-02-09-02	PSOT-2000-X-72-03 PSOT-2000-04-09-03	PSOT-3000-X-96-03 PSOT-3000-06-07-03	PSOT-6000-X-240-00 PSOT-6000-16-07-00	PSOT-10000-X-240-00 PSOT-10000-16-09-00
Phase	1 PHASE 2 WIRE +PE				
Power, VA / W	1KVA /1000W	2KVA /2000W	3KVA /3000W	6KVA /6000W	10KVA /10000W
Input parameters					
Rated voltage	208 / 220 / 230 / 240 Vac				
Voltage range	110 ~ 300 Vac (half load); 176 ~ 300 Vac (full load)				
Frequency	40 ~ 70 Hz (auto-sensing)				
Power factor	≥ 0.99 Full Load				
Bypass voltage range	~ - 25% ~ +15% (settable)				
Total harmonic distortion (THDi)	THDi ≤3%(linear load),≤5%(non-linear load)				
Output parameters					
Voltage, V	230Vac (220/240/208V Selectable)				
Voltage regulation	± 1%				
Frequency	45 ~ 55 Hz or 55 ~ 65 Hz (synchronized range); 50 / 60 Hz±0.1 Hz (battery mode)				
Waveform	Pure Sinewave				
Output THDv%	≤2% linear Load, ≤4% Non-linear Load				
Overload	AC Mode: 1mins@105%-125%,30S 125%-150%			AC Mode: 10mins@105%-125%, 30S 125%-150%, BatteryMode:1mins@105%-125% 10S 125%-150%	
Transfer Time					
Line mode ↔ Bat Mode	0ms				
Inv ↔ Bypass Mode	<4ms				
Efficiency					
AC→AC	Max.94%			Max.95%	
ECO	98%				
Battery Mode	Max.94.5%				
Battery					
Battery type	Maintenance Free Lead Acid (VRLA) for Standard Model with internal battery				
Battery Voltage/Capacity	2 x 12 V / 9 AH	4 x 12 V / 9 AH	6 x 12 V / 9 AH	16 x 12 V / 9 AH or 7 AH	
Long run model	Subject to external battery configuration				
Battery charge time H	Standard model: 7 hours to above 90%				
Max recharge current	Standard model:1-2A Long run model:1-12A settable				
Display					
Display	LED/LCD(option)				
Buzzer Alarm	Bat.Mode/Bat.Low/OverLoad/Fault				
Communication Port	RS232+USB+EPO,SNMP(option)				
Physical					
Form factor	Tower				
Tower(W*H*D)MM	145x225x285	145x225x395	192x352x450	200x460x800	
Tower(W*H*D)MM Long run model				200x450x352	
Net Weight	9.2 / 4.7kg(L)	15.3 / 7kg(L)	20.5 / 7.5kg(L)	47.2 / 8kg(L)	55.3 / 9.6kg (L)
Environment					
Humidity	5~97% (Non condensing)				
Operating Ambient temperature	0~40°C				
*Specification is subject to change without further notice;					