

CLEANLINE[®] UPS

เครื่องสำรองไฟฟ้า

line interactive design with stabilizer

pure sine wave



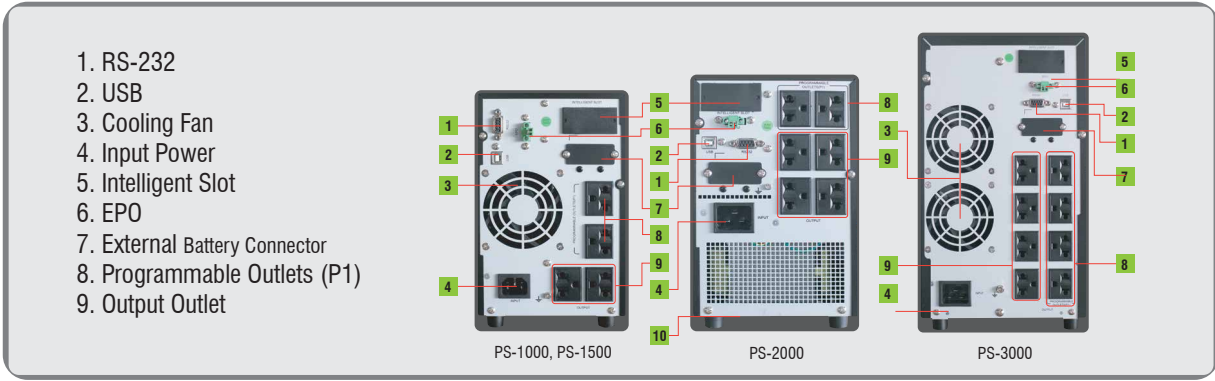
TOWER MODEL

PS-1000:	1000VA/720W
PS-1500:	1500VA/990W
PS-2000:	2000VA/1200W
PS-3000:	3000VA/2100W



Main Features

- Pure sine wave
- Programmable power management outlets
- ECO (Efficiency Corrective Optimizer) operation for energy saving
- Very high efficiency in battery mode
- Excellent microprocessor control guarantees high reliability
- Boost and Buck AVR for voltage stabilization
- Multiple communications available
- Advance Battery Management with smart battery charging control
- AC and DC Start System
- Lightning and Surge Protection
- Automatically Charging when UPS off
- Automatic Self-test (diagnostic and battery check)
- Smart RS232 and USB Communication Port
- SNMP Management Capability (Option)
- "View Power" Monitoring and Controlling Software



TECHNICAL SPECIFICATION

MODEL	PS-1000	PS-1500	PS-2000	PS-3000
POWER RATING	1000VA/720W	1500VA/990W	2000VA/1200W	3000VA/2100W
INPUT				
Voltage	220/230/240 Vac			
Acceptable Voltage Range	±25%			
Frequency Range	60/50Hz (auto sensing)			
OUTPUT				
Voltage Regulation	Pure sine wave 220/230/240 Vac ±1.5% (before battery alarm)			
Frequency Range (Batt. Mode)	50Hz or 60Hz ±0.1%			
Voltage Regulation (AVR)	220/230/240 Vac ±10%			
Current Crest Ratio	3:1			
Harmonic Distortion	2% max @ 100% linear load, 5% max @ 100% non-linear load (before alarm)			
Transfer Time	Typical 2-4 ms			
Waveform (Batt. Mode)	Pure Sine Wave			
EFFICIENCY				
Eco Mode	97%			
Buck & Boost Mode	95%			
Battery Mode	≥ 88%, up to 90% @ nominal battery voltage			
BATTERY				
Standard Model	Number of Battery	2	4	6
	Charging Voltage	27.4 VDC ± 1%	54.8 VDC ± 1%	82.1 VDC ± 1%
	Typical Recharge Time	4 hours recover to 90% capacity		
	Back up time	15~30 minutes (depending on computer load)		
PROTECTION				
Spike protection	320 Joules, 2 ms			
EMI/RFI filter	10 dB at 0.15MHz, 50dB at 30MHz			
Overload protection	UPS automatic shutdown if overload exceeds 110% of nominal at 20 seconds and 125% at 2 seconds			
Transfer time	2 milliseconds, including detection time			
INDICATORS				
LCD Display	AC Mode, Battery Mode, Load Level, Battery Level, Input Voltage, Output Voltage, Overload, Fault, and Low Battery			
ALARM				
Battery Mode	Sounding every 10 seconds			
Low Battery	Sounding every 2 seconds			
Overload	Sounding every 0.5 second			
Fault	Continuously sounding			
PHYSICAL				
Standard Model	Dimension, DxWxH (mm)	397 x 145 x 220	445 x 145 x 220	421 x 190 x 318
	Net Weight (kgs)	12.9	14	20
ENVIRONMENT				
Humidity	0-90 % RH @ 0- 40°C (non-condensing)			
Noise Level	Less than 45dB			
MANAGEMENT				
Smart RS-232/USB	Supports Windows 2000/2003/XP/Vista/2008, Windows 7, Linux, Unix, and MAC			
Optional SNMP	Power management from SNMP manager and web browser			

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