เครื่องสำรองไฟฟ้า

CLEANLINE UPS

line interactive design with stabilizer

pure sine wave

PS series

TOWER MODEL

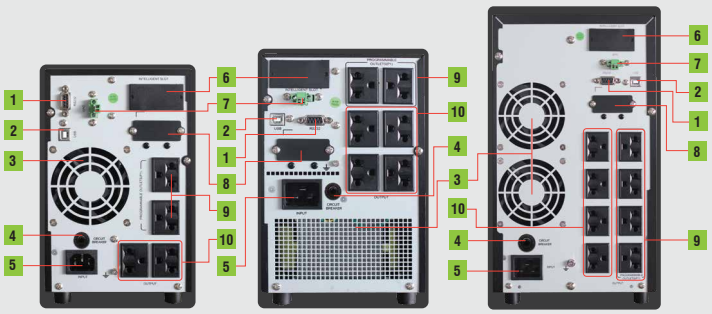
PS-1000:	1000VA/720W
PS-1500:	1500VA/990W
PS-2000:	2000VA/1200W
PS-3000:	3000VA/2100W



Main Features

- Mimic LCD for real-time UPS status display
- Pure sine wave output
- 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
- System configuration via LCD display or view power software
- Advance battery management with smart battery charging control
- AC and DC start system
- Lightning and surge protection
- Short circuit 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

1. RS-232
2. USB
3. Cooling Fan
4. Circuit Breaker
5. Input Power
6. Intelligent Slot
7. EPO
8. External Battery Connector
9. Programmable Outlets (P1)
10. Output Outlet



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% or (165 - 275 Vac)			
Frequency Range		60/50 Hz ±10% (auto sensing)			
OUTPUT					
Voltage Regulation		Pure sine wave 220/230/240 Vac ±1.5% (before battery alarm)			
Frequency Range (Batt. Mode)		50/60 Hz ±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		2 milliseconds			
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	Type	Sealed lead acid maintenance free / Rechargeable			
	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 protectiom		320 Joules, 2 ms			
EMI/RFI fillter		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			
Emergency power off (EPO)		Support			
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	27.7
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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