

*we do more for security*

**PII 1000 - 3000 VA**



## Multi functional Tower UPS with LCD operating panel



**Double conversion  
Tower UPS**

**Secure power for  
workstations, servers, small  
network and telecom applications**

With true double-conversion design, the UPS provides powerful and overall protection to your sensitive devices. It can accept wider input voltage for harsh environment. It's perfect protection for your precious servers and workstations.

### Features:

- True double-conversion
- Wide input voltage range (110-300 VAC)
- Input power factor correction 0.99
- Output Power Factor 0.8
- 50Hz/60Hz frequency converter mode
- Programmable power management outlets
- Emergency power off function (EPO)
- Eco mode operation for energy saving (ECO)
- Generator compatible
- Charger capacity expansion to 8A for long-run models
- SNMP+USB+RS-232 multiple communications
- Smart battery charger design for optimized battery performance
- Selectable output voltage: 208-240VAC, 110-127VAC
- Accessory: External maintenance bypass switch & SNMP card

# MASTER UPS

Power Supply Systems

MODEL			PII 1K	PII 1.5K	PII 2K	PII 3K	
OUTPUT	Capacity		1000 VA / 800 W	1500 VA / 1200 W	2000 VA / 1600 W	3000 VA / 2400 W	
	AC Voltage Regulation (Batt. Mode)		± 3%				
	Frequency Range (Synchronized Range)		47 ~ 53 Hz or 57 ~ 63 Hz				
	Frequency Range (Batt. Mode)		50 Hz ± 0.25 Hz or 60Hz ± 0.3 Hz				
	Current Crest Ratio		3:1				
	Harmonic Distortion		< 3 % THD (Linear Load), < 6 % THD (Non-linear Load)		< 4 % THD (Linear Load) < 7 % THD (Non-linear Load)		
	Transfer Time	AC Mode to Batt. Mode		Zero			
		Inverter to Bypass		4 ms (Typical)			
Waveform (Batt. Mode)		Pure Sinewave					
INPUT	Voltage Range	Low Line Transfer	160 VAC ± 5% or 80 VAC ± 5% @ 100% load 110 VAC ± 5% or 50 VAC ± 5% @ 50% load				
		Low Line Comeback	175 VAC ± 5% or 85 VAC ± 5% @ 100% load				
		High Line Transfer	300 VAC ± 5% or 150 VAC ± 5%				
		High Line Comeback	290 VAC ± 5% or 145 VAC ± 5%				
	Frequency Range		40 Hz ~ 70 Hz				
	Phase		Single phase with ground				
	Power Factor		≥ 0.99 @ nominal voltage (100% load)				
EFFICIENCY	AC Mode		85%		88%		
	Battery Mode		83%				
BATTERY	Standard Model	Battery Type	12 V / 7 Ah	12 V / 9 Ah	12 V / 7 Ah	12 V / 9 Ah	
		Numbers	3	3	6	6	
		Typical Recharge Time		4 hours recover to 90% capacity			
		Charging Current (max.)		1.0 A			
	Charging Voltage		41.0 VDC ± 1%		82.1 VDC ± 1%		
	Long-run Model	Battery Type		Depending on the capacity of external batteries			
		Numbers					
		Charging Current (max.)		8.0 A			
Charging Voltage		41.0 VDC ± 1%		82.1 VDC ± 1%			
INDICATORS	LCDPanel		UPS status, Load level, Battery level, Input/Output voltage, Discharge timer, and Fault conditions				
ALARM	Battery Mode		Sounding every 4 seconds				
	Low Battery		Sounding every second				
	Overload		Sounding twice every second				
	Fault		Continuously sounding				
PHYSICAL	Tower Case	Standard Model	Dimension		397 X 145 X 220		
		Standard Model	Net Weight (kgs)		13      14      26      28		
	D X W X H (mm)	Long-run Model	Dimension		397 X 145 X 220		
		Long-run Model	Net Weight (kgs)		7      7      13      13		
ENVIRONMENT	Operation Humidity		20-90 % RH @ 0- 40°C (non-condensing)				
	Noise Level		Less than 45dB @ 1 Meter				
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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