

AES

Alternate Energy Solution

LINE INTERACTIVE UPS

• WITH PURE SINE WAVE OUTPUT

PI-H SERIES

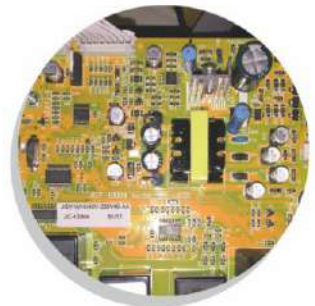
Original

Quality Certification
Made By AES



- Built-in AVR stabilizer, supply the continuous stable output
- LCD display with multi-function buttons.
- Intelligent fan (Automatically adjust rotating speed according to the internal temperature)
- Perfect protection against low voltage, over voltage, short circuit, over load and over temperature etc.

- Pure sine wave output wave form, input and output isolation design
- 3 times peak power, excellent loading capability
- Working efficiency more than 90%
- Transfer time $\leq 2\text{ms}$
- Transformer based



AES
Alternate Energy Solution



Model		PIH-1000VA	PIH-1500VA	PIH-2000VA	PIH-3000VA
Rated Power		800 WATTS	1200 WATTS	1600 WATTS	2400 WATTS
Input	DC input range	10-15VDC (12V)/ 21-30VDC (24V)/ 42-60VDC (48V)			
	AC Mains input range	165-265VAC (220VAC)±3%		75-125VAC (110VAC)±3%	
	AC input frequency	50Hz: 45-65Hz / 60Hz: 55-65Hz±0.5Hz (50Hz/60Hz automatic recognition)			
Protection	Low battery alarm	≤10.5VDC (12V)/ ≤21VDC (24V)/ ≤42VDC (48V) alarm			
	Low battery protection	≤10VDC (12V)/ ≤20VDC (24V)/ ≤40VDC (48V) automatic shutdown			
	High battery alarm	≥15VDC (12V)/ ≥30VDC (24V)/ ≥60VDC (48V) alarm			
	High battery protection	≥17VDC (12V)/ ≥34VDC (24V)/ ≥68VDC (48V) automatic shutdown			
	Overload protection	110% < loading < 150%, shutdown after 60s alarm, loading > 150%, shutdown after 20s alarm			
	High temperature	Built-in temperature real time sensor, >85°C alarm, >90°C automatic shutdown			
	Short circuit protection	Automatic shutdown			
Output	Transfer efficiency	≥90%			
	Output voltage	(DC battery mode) 220VAC±3%		110VAC±5%	
	Output frequency	(DC battery mode) 60/50Hz±1%			
	Output wave form	Pure sine wave			
	Output voltage	(AC mains mode) stable 220/230/240VAC±10% output (built-in AVR stabilizer)			
	AVR output stabilizer	AC mains < 170VAC±5% switch to DC battery mode, AC mains > 180VAC±5% return to AC mains mode;			
		AC mains > 275VAC±5% switch to DC battery mode, AC mains < 255VAC±5% return to AC mains mode;			
		The above is for output 220V output just multiply by percentage			
	Output frequency	(AC mains mode) automatic tracing from AC input			
Other	Transfer time	Built-in AC bypass relay (≤2ms)			
	Display	LCD Display with function buttons			
	Cooling system	Intelligent cooling fan control system			
≤42°C slow fan, ≤45°C fast fan					
AC Charger	7 battery types mode	Gel U.S.A. / Gel European / A.G.M.1 / A.G.M.2 / Sealed lead acid / Open lead acid / Calcium (open) Wet / Liquid Type for 4 hrs			
	AC charging Voltage	13.6-14.2VDC (12V)/ 27.2-28.4VDC (24V)/ 54.4-56.8VDC (48V)			
	AC charging current	0-35A: 5A / 10A / 20A / 25A / 30A / 35A, 6 stages charging current adjustable			
	3 Stages charging	Boost charging, direct charging, float charging			
	AC over charge protection	Battery voltage ≥16VDC (12V) ≥32VDC (24V) ≥64VDC (48V), stop charging after 60s alarm			
	Communication	RS-232/USB/SNMP (additional option)			
Environment	Temperature	-20~+75°C			
	Humidity	<95%			
Appearance	Product size (mm)	455*285*200mm			
	Packing size (mm)	730*355*275mm			
	Net Weight (kg)	12kg	12.10kg	12.5kg	15.3kg
	Gross Weight (kg)	13.5kg	13.5kg	14kg	17.7kg
*Product specifications are subject to change without further notice					

Model		PIH-5000VA	PIH-8000VA	PIH-10000VA
Rated Power		4000 WATTS	5600 WATTS	8000 WATTS
Input	DC input range	10-15VDC(12V)/ 21-30VDC(24V)/ 42-60VDC(48V)		
	AC Mains input range	165-265VAC (220VAC)±3%	75-125VAC(110VAC)±3%	
	AC input frequency	50Hz: 45-65Hz / 60Hz: 55-65Hz±0.5Hz (50Hz/60Hz automatic recognition)		
Protection	Low battery alarm	≤10.5VDC(12V)/≤21VDC(24V)/≤42VDC(48V) alarm		
	Low battery protection	≤10VDC(12V)/≤20VDC(24V)/ ≤40VDC(48V) automatic shutdown		
	High battery alarm	>15VDC(12V)/>30VDC(24V)/>60VDC(48V) alarm		
	High battery protection	>17VDC(12V)/ >34VDC(24V)/>68VDC(48V) automatic shutdown		
	Overload protection	110% < loading < 150%, shutdown after 60s alarm, loading > 150%, shutdown after 20s alarm		
	High temperature	Built-in temperature real time sensor, >85°C alarm, >90°C automatic shutdown		
	Short circuit protection	Automatic shutdown		
Output	Transfer efficiency	>90%		
	Output voltage	(DC battery mode) 220VAC±3%	110VAC±5%	
	Output frequency	(DC battery mode) 60/50Hz±1%		
	Output wave form	Pure sine wave		
	Output voltage	(AC mains mode) stable 220/230/240VAC±10% output (built-in AVR stabilizer)		
	AVR output stabilizer	AC mains < 170VAC±5% switch to DC battery mode, AC mains > 180VAC±5% return to AC mains mode;		
		AC mains > 275VAC±5% switch to DC battery mode, AC mains < 255VAC±5% return to AC mains mode;		
		The above is for output 220V output just multiply by percentage		
Output frequency	(AC mains mode) automatic tracing from AC input			
Other	Transfer time	Built-in AC bypass relay (≤2ms)		
	Display	LCD Display with function buttons		
	Cooling system	Intelligent cooling fan control system		
≤42°C slow fan, ≤45°C fast fan				
AC Charger	7 battery types mode	Gel U.S.A. / Gel European / A.G.M.1 / A.G.M.2 / Sealed lead acid / Open lead acid / Calcium (open) Wet / Liquid Type for 4 hrs		
	AC charging Voltage	13.6-14.2VDC(12V)/27.2-28.4VDC(24V)/54.4- 56.8VDC(48V)		
	AC charging current	0-35A: 5A / 10A / 20A / 25A / 30A / 35A, 6 stages charging current adjustable		
	3 Stages charging	Boost charging, direct charging, float charging		
	AC over charge protection	Battery voltage ≥16VDC(12V) ≥32VDC(24V) ≥64VDC(48V), stop charging after 60s alarm		
Communication		RS-232/USB/SNMP (additional option)		
Environment	Temperature	-20~+75°C		
	Humidity	<95%		
Appearance	Product size (mm)	630*285*200mm		
	Packing size (mm)	740*355*275mm		
	Net Weight (kg)	18.2kg	27kg	29.6kg
	Gross Weight (kg)	20.6kg	30kg	33.5kg

*Product specifications are subject to change without further notice