



Power Inverter

> PIH0.5K-PIH10K



Overview



PIH series home inverter use line interactive UPS design concept, all digital control of the real pure sine wave output; Low frequency design with superior impact resistance capacity, to meet the requirement of different equipment; Adjustable AC charging voltage and charging current, free choice of working mode, to meet different types of the user's requirements.

Technical Features



High frequency switching technology



Multiple protection technology



Green power technology



Battery management technology



Network monitoring technology



CPU1 + N control technology

Advantages

- Large AC charging current, to meet customer requirements for fast charging
- Adjustable AC charging voltage, to adapt to different types of batteries
- Adjustable AC charging current, to meet the different capacity of the battery
- Reserved DC output and USB charging interface, to adapt to the use of DC load

Working modes

Regular Mode : The system always keeps output. When there is electricity power, the AC charging function is always maintained. If no AC, battery will discharge in inverter mode, and it will not shut down until it reaches low battery voltage. Once the AC recovers, it will auto restart.

Technical Specifications

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Model		PIH0.5K	PIH1K	PIH1.5K	PIH2K	PIH3K	PIH4K	PIH5K	PIH6K	PIH8K	PIH10K
AC Input	Voltage Range	100/110/120/127/220/230VAC (+25%,-36%)			100/110/120/127/220/230VAC(±25%)						
	Frequency Range	50/60 Hz±2.5Hz									
Output	Rated Power	500W	1000W	1500W	2000W	3000W	4000W	5000W	6000W	8000W	10000W
	Instantaneous Power	1500W	3000W	4500W	6000W	9000W	12000W	15000W	18000W	24000W	30000W
	Wave Form	Pure Sine Wave									
	Battery Efficiency	81%			83%			85%		88%	
	AC Efficiency	93%									
	Output Voltage	100/110/120/127/220/230VAC (AC mode ±10%, Battery Mode ±5%)									
	Output Frequency	50Hz/60Hz ± 0.5Hz (AC Mode ± 2.5Hz)									
	Transfer time	4ms/8ms Optional									
	USB Output	DC 5V/1A × 1+5V/2A × 1 (Optional)									
Connector	Input/Output	Input power cable, 2pcs output sockets			Input & Output terminals,1pc output socket			Input & Output terminals			
	Battery	Terminals									
Battery	Voltage	12V/24V _{DC}		24V _{DC}	24V/48V _{DC}			48V _{DC}		96V _{DC}	
	Charging Current	1--20A Adjustable			2--40A Adjustable						1--20A Adjustable
LCD	Method	LCD+LED									
	Content	Input/Output Voltage, Battery Voltage, Battery Capacity, Load Capacity, Working mode, Frequency									
Protection	Battery Reversal	Optional									
	Output Short Circuit	AC mode: Jump fuse, Inverter mode: Shut down									
	Overload	If Overload 105%, Inverter will alarm.If Overload 130%, Inverter will shut down in 10s. Once the inverter is off, It must be turned on manually									
	High AC Voltage	Turn off AC, Turn to Inverter mode automatically									
	Low DC Voltage	Inverter shut down automatically, Once the AC recover, Inverter turn on and charge automatically									
	Over Temperature	Inverter will alarm and turn off output but it will recover to normal state after cooling down									
Environment	Humidity	15 ~ 93% (No condensation)									
	Temperature	-10℃ ~ 50℃									
	Altitude	≤3000m									
Communication		RS232,USB,RS485,SNMP(Optional)									
Dimension: D × W × H(mm)		381 x 145 x 210mm			472 x 190 x 330mm			535 x 280 x 575mm			
Dimension:D × W × H(mm)		490 x 485 x 335mm(2pcs/ctn)			588 x 310 x 452mm			660 x 405 x 750mm			
Weight	N.W.(KGS/PC)	7.1	12.0	12.9	21.1	27.8	32.3	38.6	50.4	48.5	50.5
	G.W.(KGS/PC)	7.9	12.8	13.7	23.6	30.3	33.6	42.6	54.4	53.5	55.5

* Note: The descriptions, illustrations and specifications give in the pamphlet are subject to alteration without notice.