



Home Inverter

> PIL1K-PIL6K



Overview

PIL series long strip 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

- AC charging current max 60A, 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

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		PIL1K	PIL1.5K	PIL2K	PIL3K	PIL4K	PIL5K	PIL6K
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	1000W	1500W	2000W	3000W	4000W	5000W	6000W
	Instantaneous Power	3000W	4500W	6000W	9000W	12000W	15000W	18000W
	Wave Form	Pure Sine Wave						
	Battery Efficiency	81%			83%		85%	
	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 & Output terminals						
	Battery	Terminals						
Battery	Voltage	12V/24V _{DC}	24V _{DC}	24V/48V _{DC}			48V _{DC}	
	Charging Current	1--20A Adjustable			3--60A 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						
Dimension: D × W × H(mm)		455 x 235 x 155mm			550 x 295 x 205mm			
Dimension:D × W × H(mm)		550 x 295 x 200mm			620 x 380 x 280mm			
Weight	N.W.(KGS/PC)	14.0	16.0	19.2	25.8	33.5	39.0	43.4
	G.W.(KGS/PC)	15.5	17.5	20.7	27.3	35.7	41.2	45.6

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