

HI Series

Pure Sine Wave Inverter



The HI Series is a professional low-frequency toroidal transformer inverter charger for backup, off-grid, and energy storage systems. It features pure sine wave output (350W–1200W rated, 1050W–3600W surge power), ≤8ms UPS transfer, built-in AVR stabilizer, and ≥85% transfer efficiency. It includes a 15A AC charger compatible with lead-acid batteries, with 12V/24V battery voltage and four working modes.

FEATURES

-  Rated power 350W-1200W.
-  Pure sine wave AC output.
-  Clear display for real-time system monitoring.
-  Multi-layer Protection for Comprehensive Safety.
-  High efficiency, low loss, long-term reliability.
-  Compatible with multiple types of batteries.

PRODUCT CONNECTION DIAGRAM



Model	HI-351	HI-501	HI-601	HI-801	HI-102	HI-122
Rated Power	350W	500W	600W	800W	1000W	1200W
Surge Power	1050W	1500W	1800W	2400W	3000W	3600W

AC Input & Output	
Voltage	220VAC
Selectable Voltage Range	165-275VAC (220VAC)
Frequency Range	50Hz/60Hz automatic recognition
AC Voltage Regulation (BATT. Mode)	(DC Batt.mode)220vac±3%
Transfer Time	≤8ms
Wave Form	Pure Sine Wave
Transformer Type	Toroidal
Transfer Efficiency	≥85%

Battery	
Battery Voltage	12V 12V/24V
Type	Gel/SLA/AGM/Water battery
DC Charge Voltage	13.8VDC(12V)/27.6VDC(24V)
Overcharge Protection	Battery voltage ≥16VDC (12V) ≥32VDC (24V), stop charging after 60s alarm

AC Charger	
Maximum AC Charge Current	15A

Working mode	
01 Mode	AC mains priority
02 Mode	ECO mode
03 Mode	DC battery priority
04 Mode	Unattended mode

Physical	
Dimension, D*W*H(MM)	360*328*212
G.W.(KGS)	10

Environment	
Humidity	0~95% (NO Condensation)
Operating Temperature	0~60℃
Storage Temperature	0~60℃