

GI Series

Pure Sine Wave Inverter



The GI Series is a professional low-frequency transformer inverter charger for backup, off-grid, and energy storage systems. It features pure sine wave output, 1.5KW-6KW rated power, 4.5KW-18KW surge power, ≤4ms UPS transfer, and includes a 35A adjustable AC charger.

FEATURES

-  Rated power 1.5KW-6KW.
-  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 LiFePO4 batteries.

PRODUCT CONNECTION DIAGRAM



Model	GI-152	GI-202	GI-302	GI-402	GI-502	GI-602
Rated Power	1.5KW	2KW	3KW	4KW	5KW	6KW
Surge Power	4.5KW	6KW	9KW	12KW	15KW	18KW

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	≤4ms
Wave Form	Pure Sine Wave
Transformer Type	Toroidal
Transfer Efficiency	≥85%

Battery	
Battery Voltage	12V/24V 12V/24V/48V 24V/48V
Type	Gel/SLA/AGM/ Lithum battery
DC Charge Voltage	13.6-14.2VDC(12V)/27.2 -28.4VDC(24V)/54.4 -56.8VDC(48V)
Overcharge Protection	Battery voltage ≥16VDC (12V) ≥32VDC (24V) ≥64VDC (48V), stop charging after 60s alarm

AC Charger	
Maximum AC Charge Current	35A (adjustable)

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

Physical	
Packing size D*W*H(MM)	530*335*255 740*355*275
G.W.(KGS)	15 17 18 20 31 33 35

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