POWER INVERTER DC/AC
GI Series 2500W

Pure Sine Wave Inverter

Equipment designed in **switching mode technology** achieving a high performance and delivering a smaller and lighter product.

All models of the GI series are made of high-quality and resistant materials to ensure an excellent performance.

Features

- Parallel redundancy design for power expansion
- Multiple industrial applications that create 1Φ3W/3Φ4W
- Automatic master mechanism to eliminate single point failure and optimize reliability
- Built-in ATS and AC circuit breaker
- RS-232 communication
- Output voltage with power saving mode selectable by DIP switch or remote control (cR-10)
- Input and Outputs protection

Technical Specifications

MODEL	GI250012B	GI250024B	GI250048B	GI250012BY	GI250024BY	GI250048BY
Power W	2500W (de-rating after 40ºC)					
DC INPUT						
Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
Voltage range	10 ~ 16	20 ~ 32	40 ~ 64	10 ~ 16	20 ~ 32	40 ~ 64
On mode Save mode / No Load	0.9A / 2.9A	0.35A / 1.4A	0.3A / 0.8A	1.1A / 3.6A	0.7A / 1.8A	0.4A / 1A
Fuse	40Ax9	20Ax9	15Ax9	40Ax9	20Ax9	15Ax6
AC INPUT						
Voltage range	100/110/115/120VAC ±25%, recovery ±12.5%			200/220/230/240VAC ±25%, recovery ±12.5%		
Frequency	47 - 57Hz / 53 - 63Hz					
Circuit Breaker	35A					
Transfer Switch	Standard ATS: Inverter to utility AC: 8~10ms ; Utility AC to inverter: 16~50ms					
	Optional STS module: transfer time less 4ms					
OUTPUT						
Peak Power (3sec)	3000W					
Surge Power (<0.2sec)	4000W					
Efficiency (Max)	88%	89%	90%	88%	88%	90%
Output Voltage (rated DC)	100/110/115/120VAC ±3%			200/2200/230/240VAC ±3%		
Output Frequency	50 / 60 Hz ±0.1%					
Total Harmonic Distortion (THD)	<3%					
PROTECTIONS						
BAT Alarm ±3% Low/High	10.5VDC	21VDC	42VDC	10.5VDC	21VDC	42VDC
BAT Shut-down ±3% Low/High	10VDC	20VDC	40VDC	10VDC	20VDC	40VDC
BAT Restart ±3% Low/High	12.5VDC	25VDC	50VDC	12.5VDC	25VDC	50VDC
Input Protection	Reverse Polarity (Fuse) / Under Voltage / Over Voltage / AC over current					
Output Protection	Short circuit / Overload / Over Temperature / Over Voltage					
ENVIRONMENT						
Working Temperature	-20ºC ~ +60ºC					
Storage Temperature	-40ºC ~ +70ºC					
Working Humidity	20 ~ 90% RH without condensing					
SAFETY & EMC						
Safety Standards	Certified UL 60950-1; EN 60950-1					
EMC Standards	Certified FCC Class B			Certified EN 55014-1, EN 55014-2, EN 61000-3-2,3-3 IEC 6100-4-2,3,4,5,6,11		
Isolation Resistance	Fully input and output					
CASE						
Cooling	Load & Thermal control fan					
LED indicator	Input voltage level, faulty status					
Weight kg	8 kg/pc					
Dimensions (WxHxD) mm	283x128x436 mm					

**On demand the input, output and power can be varied. Optionally other protections, controls and alarms can be incorporated*

http://www.grelco.com

GUBAR, S.A. - Carrer Sevilla, s/n – 08940 Cornella de Llobregat, SPAIN - Tel. +34 933771907 – info@grelco.com

POWER INVERTER DC/AC
GI Series 3500W

Pure Sine Wave Inverter

Equipment designed in **switching mode technology** achieving a high performance and delivering a smaller and lighter product.

All models of the GI series are made of high-quality and resistant materials to ensure an excellent performance.

Features

- Parallel redundancy design for power expansion
- Multiple industrial applications that create 1o3W/3o4W
- Automatic master mechanism to eliminate single point failure and optimize reliability
- Built-in ATS and AC circuit breaker
- RS-232 communication
- Output voltage with power saving mode selectable by DIP switch or remote control (cR-10)
- Input and Outputs protection

Technical Specifications

MODEL	GI350012B	GI350024B	GI350048B	GI350012BY	GI350024BY	GI350048BY
Power W	3500W (de-rating after 40ºC, curve 24V and 48V and 35ºC for 12V)					
DC INPUT						
Voltage	12VDC	24VDC	48VDC	12VDC	24VDC	48VDC
Voltage range	10 ~ 16	20 ~ 32	40 ~ 64	10 ~ 16	20 ~ 32	40 ~ 64
On mode @ Save mode / No Load	1.4A / <2.9A	0.5A / 1.4A	0.5A / 0.8A	1.4A / 3.6A	0.5A / 1.8A	0.5A / 1A
Fuse	40Ax12	20Ax12	20Ax6	40Ax12	20Ax12	20Ax6
AC INPUT						
Voltage range	100/110/115/120VAC ±25%, recovery ±12.5%			200/220/230/240VAC ±25%, recovery ±12.5%		
Frequency	47 - 57Hz / 53 - 63Hz					
Circuit Breaker	35A			20A		
Transfer Switch	Standard ATS: Iverter to utility AC: 8~10ms ; Utility AC to inverter: 16~50ms					
	Optional STS module: trnsfer time less 4ms					
OUTPUT						
Peak Power (3sec)	4500W					
Surge Power (<0.2sec)	6000W					
Efficiency (Max)	90%	90%	91%	90%	91%	91%
Output Voltage (rated DC)	100/110/115/120VAC ±3%			200/2200/230/240VAC ±3%		
Output Frequency	50 / 60 Hz ±0.1%					
Total Harmonic Distortion (THD)	<3%					
PROTECTIONS						
BAT Alarm ±3% Low/High	10.5/15.5 VDC	21/31 VDC	42/62 VDC	10.5/15.5 VDC	21/31 VDC	42/62 VDC
BAT Shut-down ±3% Low/High	10/16 VDC	20/32 VDC	40/64 VDC	10/16 VDC	20/32 VDC	40/64 VDC
BAT Restart ±3% Low/High	12.5/15 VDC	25/30 VDC	50/60 VDC	12.5/15 VDC	25/30 VDC	50/60 VDC
Input Protection	Reverse Polarity (Fuse) / Under Voltage / Over Voltage / AC over current					
Output Protection	Short circuit / Overload / Over Temperature / Over Voltage					
ENVIRONMENT						
Working Temperature	-20ºC ~ +60ºC					
Storage Temperature	-40ºC ~ +70ºC					
Working Humidity	20 ~ 90% RH without condensing					
SAFETY & EMC						
Safety Standards	Certified UL 60950-1; EN 60950-1					
EMC Standards	Certified FCC Class B			Certified EN 55014-1, EN 55014-2, EN 61000-3-2,3-3 IEC 6100-4-2,3,4,5,6,11		
Isolation Resistance	Fully input and output					
CASE						
Cooling	Load & Thermal control fan					
LED indicator	Input voltage level, faulty status					
Weight kg	10 kg/pc					
Dimensions (WxHxD) mm	283x128x496 mm					

**On demand the input, output and power can be varied. Optionally other protections, controls and alarms can be incorporated*