

IG3115CL Series

Pure Sine Wave Output Inverter

1-6KW



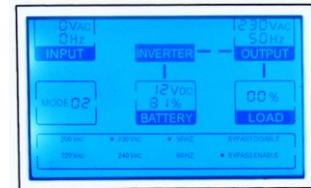
Key Features:

- Pure sine wave output, color screen display
- The charging current is big up to 85 Amp
- Output power factor is 0.9-1
- Output socket optional
- Battery type can be select
- Output voltage and frequency can be set
- Charge current can adjust
- Battery temperature sense optional
- Connect to generator restart function
- Well accept generator's output
- Full automatic and silent operation
- Automatically transfer between battery and line modes
- Microprocessor control guarantees high reliability
- Remote control function
- Three-steps intelligent charging control to recharging time
- Bypass function



Full protection:

Protection for low battery voltage 、 over load 、 output short circuit and over- temperature restrain surge interference、 eliminate noise、 protection for thunder striking、 provide the reliable power to the home appliances.



LCD display

Applications:

Supply the reliable long back up time power for the home appliances and office appliances and solar power systems etc.

Function Description:



- A** Battery Negative
- B** Battery Positive
- C** Port Remote
- D** DC Fan
- E** RS232
- F** DIP Switch
- G** Mode ON/OFF
- H** Auto Gen Start
- I** Battery Temp Sensor
- J** Output
- K** Charger Input Protect
- L** Inverter Output Protect
- N** Input/output Terminal

DIP Switch No.	Function Setting	ON	OFF
SW1	Batt Low S.D Point	10.5Vdc	10.0Vdc
SW2	I/P V Range	154~264Vac	184~253Vac
SW3	Mode Selection:	Battery Mode Priority	Utility Mode Priority

IG3115CL Series Technical Specifications

MODEL	IG3115CL 1-6KW Pure Sine wave Output Inverter						
	1KW	1.5KW	2KW	3KW	4KW	5KW	6KW
Input Wave form	Sine wave (utility or generator)						
Nominal Voltage	230Vac (120Vac optional)						
Low voltage trip	90v ±4% & 184v/154v ±4%						
Low voltage re engage	100v ±4% & 194v/164v±4%						
High voltage trip	140v ±4% & 253v ±4%						
High voltage re engage	135v ±4% & 243v±4%						
Nominal Input Frequency	50Hz/ 60Hz (auto detection)						
Frequency range	47Hz~65Hz						
Output Wave form	(Bypass mode)same as input						
Efficiency on line transfer mode	≥ 95%+						
Line transfer time	10ms Typical						
Bypass without battery connected	Yes						
Inverter specification/output							
Output wave form	Pure sine wave						
Output continuous power watts	1000	1500	2000	3000	4000	5000	6000
Output continuous power VA	1000	1500	2000	3000	4000	5000	6000
Power factor	0.9-1.0						
Nominal Output Voltage rms	230Vac (120Vac optional)						
Output Voltage regulation	+/- 10%rms						
Output frequency	50Hz ± 0.3Hz or 60Hz ± 0.3Hz						
Safety Certification	>88%						
Surge ratings	3000	4500	6000	9000	12000	15000	18000
Short circuit protection	Yes,fault after 1 secs						
Inverter specification/input							
Nominal input voltage	12V/24V/48V						
Minimum start voltage	10V/20V/40V						
Low battery alarm	10.5V/21V/42V						
Low battery trip	10V/20V/40V						
High voltage alarm	16V/32V/64V						
Power saver	Same switched on/off on remote						
Charger mode specification							
Output voltage	Dependent on battery type						
Charge current	0-85A MAX						
Battery initial voltage for start up	0-15.7v for 12v(*2 for 24v;*4 for 48v;*8 for 96v)						
Over charge protection shutdown	15.7v for 12v(*2 for 24v;*4 for 48v;*8 for 96v)						
Charger curves(4stage constant curren)battery types 4 step digital controlled progressive charge							
Battery type	Fast V		Fast V(*2 for 24v;*4 for 48v)				
Gel U.S.A	14.0		13.7				
A.G.M. 1	14.1		13.4				
A.G.M. 2	14.6		13.7				
Sealed lead acid	14.4		13.6				
Gel euro	14.4		13.8				
Open lead acid	14.8		13.3				
Calcium	15.1		13.6				
De-sulphation	15.5 for 4 hrs						
Remote control/RS232/USB	Yes. Optional						

STANDARD:EN 62109-1:2010 EN 62109-2:2011 EN 62040-1:2008+A1:2013 IEC 62109-1:2010 IEC 62109-2:2011

Note: Product specifications are subject to change without further notice.