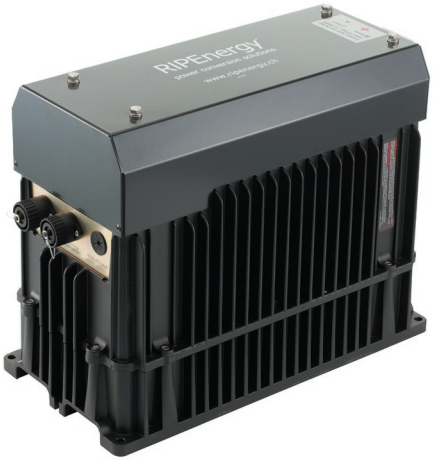
Combo MIL Sinewave Inverter / Charger



- Pure sinewave
- Charger
- Transfer switch
- Stand-by mode
- Remote control port
- Extended temperature range
- Mulitiple elcectronic protection
- Waterproof
- Programmable (optional)
- Digital display (optional)

Applications

Combo GS (Sealed)

- MIL applications
- Marine & other rugged environments
- Electric Utilities and Substations
- Base Station Power
- Industrial Controls
- Emergency Power Backup (UPS)
- Tropical climates
- Demanding environments

Series Combo GS

Description

One Unit - 3 functions: Charging, UPS, AC-Power

The Combo GS Inverter/Charger, is a competitive power solution designed for applications with lower power demands. Incorporating a DC-to-AC sinewave inverter, battery charger and AC transfer relay housed within a die-cast aluminium chassis.
The GS Series is designed for use in countries that have utility grids with nominal AC voltages of 230VAC / 50Hz. Our built in transfer relay automatically disconnects your loads from the utility grid and powers them from the inverter in the event of an outage, allowing you to continue using your solar and battery back-up power, unlike traditional grid-tie systems.
Intelligent multi-stage battery charging prolongs the life of your batteries and built-in networked communications allow for simultaneous communications of up to ten Power components within the system.
The exclusive modular System architecture means that increased power output is just an additional inverter/charger away.
Our GS Series uses a sealed chassis that can operate in the harshest environmental conditions such as high humidity and corrosive salt air.

Features

- Grid-Tie, Back-up or Standalone Power
- Intelligent Battery Charging with Generator Support
- 1.4 kVA Continuous Power Output
- High Surge and Charger Ratings
- 3-Phase 400VAC Capable
- Sealed Chassis For Harsh Environments
- Waterproof to IEC529, IP 64
- Bug-proof construction
- Environmentally Tolerant
- Programmable AUX output
- Remote control optional available
- All relevant parameters programmable and stored in a non volatile memory

Specifications *(Specifications Subject to Change Without Notice)*

Inverter/Charger Model		ComboGS 1312-230/50 MIL	ComboGS 1424-230/50 MIL	ComboGS 1448-230/50 MIL
Electrical Specifications Inverter				
Nominal DC-Input Voltage	VDC	12	24	48
DC-Input Range (adjustable low battery cut-out)	VDC	10.5 - 17	21 - 34	42 - 68
Nominal AC-Output	VAC / Hz	230 / 50		
Output Voltage Regulation	%	+/- 2 Typ		
Continuous Power Rating at 25° C	VA	1300	1400	1400
Derating	VA/°C	-20 above 25° C ambient temperature		
Overload (from 25° C start) 30min	VA	1800	2000	2000
Overload (from 25° C start) 5 sec	VA	2900	2900	2900
Overload (from 25° C start) surge 100 ms	VA	4600	4600	4600
Continuous AC-Output	AAC RMS	5.65	6.09	6.09
Maximum Output Current 1 ms	AAC Peak	28	28	28
Maximum Output Current 100ms	AAC RMS	20	20	20
Typical Efficiency	%	90	92	93
Total Harmonic Distortion (typ/max)	%	2 / 5		
Idle Power (Sleep ~6VA)	VA		~18	
Electrical Specifications Charger				
AC-Input Voltage Range	VAC	140 - 280		
AC-Input Frequency Range	Hz	45 - 55		
AC-Input Current max (adjustable limits)	AAC	30		
Continuous Battery Charge Current (adjustable)	ADC	70	40	20
Specifications Transferswitch				
Current capacity	AAC	30		
MIL Standards				
MIL STD 461E		X	X	X
Other Specifications				
Operating temperature range	°C	- 40 to 60		
Sealed		X	X	X
Connecton DC		DC Clamps		
Connecton AC		Round connector output CA 3GD and input CA 3GS (custom version available on request)		
Dimensons (LxWxH)	cm	41 x 21 x 33		
Shipping weight	Kg		28.4	

Available from:

RIPEnergy®

The power conversion company

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