

POWER INVERTER

• WATT PURE SINE WAVE WITH AC CHAGER

RG-H SERIES



- Built-in AVR stabilizer, supply the continuous stable output
- LCD display with multi-function buttons.
- Intelligent fan (Automatically adjust rotating speed according to the internal temperature)
- Perfect protection against low voltage, over voltage, short circuit, over load and over temperature etc.

- Pure sine wave output wave form, input and output isolation design
- 3 times peak power, excellent loading capability
- Working efficiency more than 90%
- Tranfer time $\leq 5\text{ms}$



Model		RGH-1000W	RGH-2000W	RGH-3000W	RGH-4000W	RGH-5000W	RGH-6000W
Rated Power		1KW	2KW	3KW	4KW	5KW	6KW
Peak Power		3KW	6KW	9KW	12KW	15KW	18KW
Nominal battery voltage		12/24/48VDC			24VDC/48VDC		
Input	DC input range	10-15VDC(12V)/ 21-30VDC(24V)/ 42-60VDC(48V)					
	AC Mains input range	165-265VAC (220VAC)±3%			75-125VAC(110VAC)±3%		
	AC input frequency	50Hz: 45-65Hz / 60Hz: 55-65Hz±0.5Hz (50Hz/60Hz automatic recognition)					
Protection	Low battery alarm	≤10.5VDC(12V)/≤21VDC(24V)/≤42VDC(48V) alarm					
	Low battery protection	≤10VDC(12V)/≤20VDC(24V)/≤40VDC(48V) automatic shutdown					
	High battery alarm	≥15VDC(12V)/≥30VDC(24V)/≥60VDC(48V) alarm					
	High battery protection	≥17VDC(12V)/≥34VDC(24V)/≥68VDC(48V) automatic shutdown					
	Overload protection	110% < loading < 150%, shutdown after 60s alarm, loading > 150%, shutdown after 20s alarm					
	High temperature	Built-in temperature real time sensor, ≥85°C alarm, ≥90°C automatic shutdown					
	Short circuit protection	Automatic shutdown					
Output	Transfer efficiency	≥90%					
	Output voltage	(DC battery mode) 220VAC±3%			110VAC±5%		
	Output frequency	(DC battery mode) 60/50Hz±1%					
	Output wave form	Pure sine wave					
	Output voltage	(AC mains mode) stable 220/230/240VAC±10% output (built-in AVR stabilizer)					
	AVR output stabilizer	AC mains < 170VAC±5% switch to DC battery mode, AC mains > 180VAC±5% return to AC mains mode;					
		AC mains > 275VAC±5% switch to DC battery mode, AC mains < 255VAC±5% return to AC mains mode;					
The above is for output 220V output just multiply by percentage							
Output frequency	(AC mains mode) automatic tracing from AC input						
Other	Transfer time	Built-in AC bypass replay (≤5ms)					
	Display	LCD Display with function buttons					
	Cooling system	Intelligent cooling fan control system					
≤42°C slow fan, ≤45°C fast fan							
AC Charger	7 battery types mode	Gel U.S.A. / Gel European / A.G.M.1 / A.G.M.2 / Sealed lead acid / Open lead acid / Calcium (open) Deep sulphation cycle 15.5 for 4 hrs					
	AC charging Voltage	13.6-14.2VDC(12V)/27.2-28.4VDC(24V)/54.4-56.8VDC(48V)					
	AC charging current	0-35A: 5A / 10A / 20A / 25A / 30A / 35A, 6 stages charging current adjustable					
	3 Stages charging	Boost charging, direct charging, float charging					
	AC over charge protection	Battery voltage ≥16VDC(12V) ≥32VDC(24V) ≥64VDC(48V), stop charging after 60s alarm					
Communication		RS-232/USB/SNMP (additional option)					
Environment	Temperature	-20~+75°C					
	Humidity	<95%					
Appearance	Product size (mm)	455*285*200mm			630*285*200mm		
	Packing size (mm)	530*335*260mm			740*355*275mm		
	Net Weight (kg)	12.10kg	15.3kg	18.2kg	25kg	26.5kg	29.6kg
	Gross Weight (kg)	14.5kg	17.7kg	20.6kg	28.5kg	30.4kg	33.5kg

*Product specifications are subject to change without further notice