

POWER INVERTER

HIGH CONVERSION EFFICIENCY

RG-E SERIES



Pat No: ZL 2015 3 0381841.7



RG-E SERIES inverter adopted the international lead circuit design, with the advantage of small size, light, stable, and high conversion efficiency. It own five protect functions such as: input low voltage protection, input over voltage protection, overload protection, over temperature protection, output short circuit protection. These five functions can protect the electrical equipment and the circuit of the car.

DC12V TO AC220V



Auto Reset	Thermal protection:	The unit shut down when it overheats
	Battery alarm:	Alarm activated when battery discharges to 10.6V
	Battery protection:	The unit shut down when battery discharges to 10V(prevent damage to battery)
	Overload protection:	The unit shut down when the loading power exceeds the rating power
	Short circuit protection:	The unit shut down when output is short circuit
	Earth fault protection:	The unit shut down when when the load has electric leakage

FEATURES:

- Modified sine wave
- AC Direct Connect Terminal
- Over Load protection Single cooling fan operation thermally controlled Internally fuse protected AC output short circuit protection
- On/off switch
- Over Temperature protection
- Auto reset on most fault conditions
- Aluminum case for optimal cooling



ELECTRICAL CHARACTERISTICS:

Model		RG-E300 W	RG-E500W	RG-E800W	RG-E1000W	RG-E1500W	RG-E2000W	RG-E3000W
DC input		DC 12V (DC 11-15V)						
		DC 24V (DC 22-30V)						
AC output		AC 220 – 240V						
Output frequency		50 +/- 3Hz						
USB output		DC 5V, 1A						
Rated output power		300W	500W	800W	1000W	1500W	2000W	3000W
Peak power		420W	700W	1200W	1400W	2100W	4000W	4200W
Output wave		Modified sine wave						
Efficiency		>88% (12V), >92% (24V), >94% (48V)						
12V Input No load current		≤0.55A	≤0.55A	≤0.55A	≤0.55A	≤1.1A	≤0.7A	≤0.7A
Input under voltage alarm	12V	DC 10.2 – 10.8V						
	24V	DC 20.4 – 21.6V						
Input under voltage shut down	12V	DC 9.2 – 9.8V						
	24V	DC 18.4 – 19.6V						
Input over voltage shut down	12V	DC 15 – 16V						
	24V	DC 30 – 32V						
The best working temperature		5 – 35℃						
Cooling method		By Fan						