

Model		GI-102	GI-152	GI-202	GI-302	GI-402	GI-502	GI-602
Rated Power		1KW	1.5KW	2KW	3KW	4KW	5KW	6KW
Peak Power		3KW	4.5KW	6KW	9KW	12KW	15KW	18KW
Nominal battery voltage		12/24VDC	12/24/48VDC			24VDC/48VDC		
Input	DC input range	10.5-15VDC (12V) / 21-30VDC (24V) / 42-60VDC (48V)						
	AC Mains input range	165-275VAC (220/230/240VAC) ±4%						
	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						
	Over load 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	≥92%						
	Output voltage	(DC battery mode) 220/230/240VAC ±2%						
	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 stablizer)						
	AVR output stablizer	AC mains<170VAC±5% swtich to DC battery mode, AC mains>180VAC ±5% return to AC mains mode; AC mains>275VAC ±5% swtich to DC battery mode, AC mains<255VAC ±5% return to AC mains mode; The above is for output 220V system reference, 230V/240V output just multiply by percentage						
	Output frequency	(AC mains mode) automatic tracing from AC input						
Other	Transfer time	Bult- in AC bypass replay (≤4ms)						
	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						
Working mode (Optional)	01	AC mains priority						
		Always use AC mains as priority input to provide AC output and automatically charge the battery, only stops charging when battery is fully charged, and only starts DC to AC converting untill AC mains is off						
	02	Energy saving						
		Loading≤10% automatic shutdown, loading≥11%-100% automatic turn on						
	03	DC battery priority						
		Always use DC battery as priority input to provide AC output, for 12V system, when battery≥13V, starts DC to AC converting; when battery≤10.5V during converting, switch to AC mains mode to provide AC output and automatically start charging the battery (for 24V/48V system, multiply by 2/4 accordingly)						
Communication		RS-232/USB/SNMP(additional option)						
Environment	Temperature	-20~+75°C						
	Humidity	<95%						
Appearance	Product size (mm)	460*245*200mm				630*280*200mm		
	Packing size (mm)	530*335*255mm				740*355*275mm		
	Net Weight (kg)	9.5kg	11.5kg	13.1kg	17.8kg	26.5kg	28.5kg	31kg
	Gross Weight (kg)	12kg	14kg	15.6kg	20.3kg	30.5kg	32.5kg	35kg
*Product specifications are subject to change without further notice								