



GAIA Series

Uninterruptible Power Supply 5-11KVA

Features

- Power rating: 5 and 7KVA (2U), 11KVA (3U). Double conversion technology.
- Standard 19 inches rack / tower configuration.
- 1+1 parallel redundancy to increase the reliability and flexibility.
- Easy parallel link (1+1) without extra hardware needed to expand the system capacity.
- Wide input voltage range and stable power supply extending the battery lifetime.
- High input power factor (pf > 0.99) and low harmonic distortion (iTHD < 5%).
Savings in installation cost and reductions in pollution back feed into upstream power system.
- Input voltage bearing capability up to 330Vac.
- High recharging capability: built-in 4Amp and optional 4Amp extra charger.
- Battery-start capability without utility power.
- Possibility for shared battery source enabling cost savings.
- Two smart slots for mission critical applications.
- Multi-language LCD display and status LED indicators.
- RS232 connectivity with Vista compatible power management software.
- Optional maintenance bypass box for parallel redundancy with manual bypass switch.
- Built-in remote emergency power off function (REPO).
- Extended battery cabinet is available to get the desired backup time.

Applications

- Computer Room
- Networking
- Banking
- Medical
- Security



Technical Specifications

Model		GA5000RL	GA7000RL	GA11000RL	
Power Rating		5kVA / 3.5kW	7kVA / 4.9kW	11kVA / 8kW	
Input	Rating Voltage	V 200/208/220/230/240, single phase			
	Voltage Range	V 100 ~ 300 (full load) *			
	Input Current Harmonic Distortion (ITHD)	% < 5 (full load)			
	Power Factor	> 0.99			
	High Voltage Transient Protection	V 330 ± 10	Optional **		
	Frequency	Hz 50 or 60			
	Frequency Tolerance	Hz 40 ~ 70			
	Electrical Connection	Terminal block			
Output	Voltage	V 200/208/220/230/240, single phase			
	Voltage Harmonic	% ≤ 2 (linear load)			
	Voltage Regulation	% ±1 (static) ; ±2 (typical)			
	Frequency	Hz 50 or 60			
	Frequency Regulation	Hz ±0.05			
	Wave Form	Pure sine wave			
	Overload	≤ 105% : Continuous ; 105~110% : 2 minutes ; 111~125% : 1 minute ; 126~150% : 30 seconds ; >150% : Immediately			
	Crest Factor	3:1			
	Electrical Connection	Terminal block			
Battery	Model	GA7000RLB		GA11000RLB	
	Rating Voltage	V 192	240		
	Recharging Capability	Built-in : 4 Amp (adjustable) ; Optional extra charger : 4 Amp (internal installation)			
	Electrical Connection	Delta standard cable			
Audible Warning	Battery Backup	Intermittent			
	Abnormal	Continuous			
Display	LED	AC input/output · Bypass · Inverter · Fault · Overload · Battery replacement · Battery backup			
	LCD (Multi-Language)	Input/Output · Bypass · Inverter · Frequency · Loading and battery level · Abnormal message and intelligent self diagnosis			
Interface	Standard	RS232 x 1, SNMP slot x 1, Smart slot x 1, Parallel port x 1			
	Optional Accessories	SNMP Slot	SNMP card, Modbus card, Relay I/O control card, Environmental monitoring box, SNMP+5 ports hub		
		Smart Slot	Mini SNMP card, Mini relay I/O control card, USB card, TVSS card		
Conformance	Safety	CE, TUV, EN62040-1-1			
	EMC	CISPR 22 Class A			
Others	Parallel Redundancy	1+1 Redundancy			
	REPO	RJ11 connector			
	Maintenance Bypass Box	Optional			
	Common Battery Installation	Feasible			
	Battery-Start	Yes			
	AC-Start	Yes			
	Rail Kit	Optional			
	Extended Battery Cabinet	Optional			
Overall	Efficiency	Normal(AC-AC)	% 92 (full load)		
		Economic	% 96 (full load)		
	Transfer Time	ms	0		
	Temperature	°C	0 ~ 45		
	Relative Humidity	%	5 ~ 95% (non-condensing)		
	Noise (at one meter)	dBA	55	60	
	Dimension (WxDxH)	UPS	440 x 670 x 89		440 x 628 x 131
		Battery Cabinet	440 x 610 x 89		440 x 595 x 131
	Weight	UPS	14.5	15	20.5
		Battery Cabinet	40		66

** Lower range 100~156Vac is acceptable under 50~100% loading condition.
** External over voltage cut off device.
All specifications are subject to change without prior notice.

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Friendly LED +LCD Display



Power Management Software

< UPSentry Smart 2000 >



Compatible OS

- Microsoft
 - 9X/2000/2003/XP/Vista
- Linux
 - RedHat
 - Open Linux
 - SUSE
- FreeBSD
- Sun
 - Solaris Sparc
 - Solaris X86
- HP
 - HP-UX
- IBM
 - AIX
- Apple
 - MacOSX
- SCO
 - OpenServer