



H Series

Uninterruptible Power Supply 15-30KVA

Features

- Power rating: 15 / 20 / 30KVA. Double conversion technology.
- Wide input voltage range (156~280Vac) extending battery life-time by reducing battery discharge probability.
- High input power factor ($pf > 0.95$). Saving in the installation cost.
- Economic mode for energy and operation cost savings.
- Hot-standby installation is feasible to increase the reliability.
- Battery-start capability without utility power.
- Smart slot for mission critical applications.
- User-friendly LCD display and status LED indicator.
- RS232/AS400 connectivity with Vista compatible power management software.
- Built-in manual bypass switch for maintenance.
- Local and remote emergency power off function.
- Extended battery cabinet is available to get the desired backup time.

Applications

- Computer Room
- Networking
- Banking
- Medical
- Security



Technical Specifications

Model		GES153H 3/1	GES153H 3/3	GES203H 3/1	GES203H 3/3	GES303H 3/3
Power Rating		15kVA / 12kW		20kVA / 16kW		30kVA / 24kW
Input	Rating Voltage	V	220/380 , 230/400 , 240/415 (3phase, 4-wire plus ground)			
	Voltage Range	V	156 ~ 280 / 270 ~ 485			
	Power Factor		> 0.95			
	Frequency	Hz	50 or 60 ± 3Hz			
	Electrical Connection		Terminal block			
Output	Voltage	V	3/3 model : 220/380 , 230/400 , 240/415 (3phase, 4-wire plus ground) 3/1 model : 220/230/240 (single phase)			
	Voltage Harmonic	%	≤ 3 (linear load)			
	Voltage Regulation	%	± 2			
	Frequency	Hz	50 or 60			
	Frequency Regulation	Hz	± 0.1			
	Overload		≤ 102% : Continuous ; 102~125% : 1 minute ; 125~150% : 0.5 minute ; >150% : 2 seconds			
	Crest Factor		3:1			
	Electrical Connection		Terminal block			
Battery	Rating Voltage	V	240 (12Vdc x 20 pcs)			
	Recharging Capability		Built-in : 2.6 Amp ; Optional extra charger : 5 Amp (external installation)	Built-in : 5.2 Amp ; Optional extra charger : 5 Amp (external installation)		
	Electrical Connection		Delta standard cable			
Audible Warning	Battery Backup		Intermittent			
	Abnormal		Continuous			
Display	LED		UPS status : Mains input · Bypass input · AC-DC · DC-AC · Backup · Bypass · Output			
	LCD		Input/Output · Bypass · Inverter · Frequency · Loading and battery voltage · Abnormal message and intelligent self diagnosis			
Interface	Standard		RS232 x 1, SNMP slot x 1, AS400 x 1, Dry contact x 1			
	Optional Accessories		SNMP card, Modbus card, Relay I/O control card, Environmental monitoring box, SNMP+5 ports hub			
Conformance	Safety		CE, EN62040-1-1			
	EMC		CISPR 22 ClassA			
Others	Emergency Power Off		Local and remote			
	Maintenance Bypass Switch		Built-in			
	Extended Battery Cabinet		Optional (Two types : 26Ah or 40Ah)			
	Battery-Start		Yes			
Overall	Efficiency	Normal(AC-AC)	%	Without isolation transformer : 90 (full load) With isolation transformer : 87 (full load)		
		Economic	%	Without isolation transformer : 97 (full load) With isolation transformer : 95 (full load)		
	Transfer Time	ms	0			
	Temperature	°C	0 ~ 40			
	Relative Humidity	%	5 ~ 95% (non-condensing)			
	Noise (one meter)	dBA	< 60			
	Dimension (WxDxH)	mm	380 x 650 x 860 (UPS and battery cabinet are the same)			
	Weight	Without Isolation TR	kg	108		
		With Isolation TR	kg	210	220	240

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