GD series（6/10/15KVA/20KVA/30KVA）
Content:

（1）Introduction

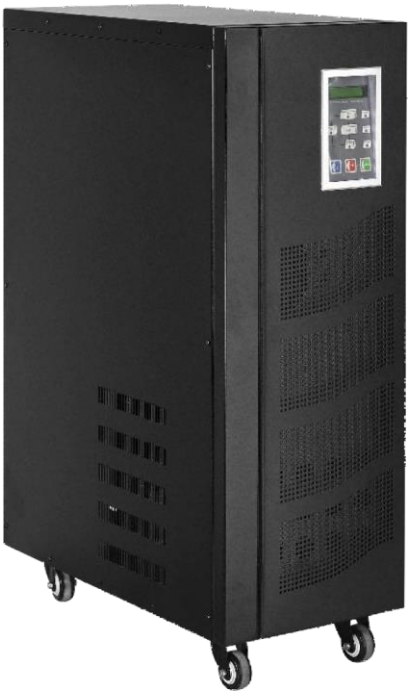
GD series, Aiming at Power Grid environment and network system for their requirements of high reliability of power supply, are high-performance on-line sine-wave UPS, specially designed for network computer room, small smart devices and precision instruments of these systems such as Finance, Communications, Insurance, Transportation, Taxation, Military, Securities, Energy, Education, Government , Enterprise and so on, particularly applicable to very bad power grid environment. GD series are no doubt the best mate to guarantee the stability of a network system.

（2）GD Series Key Features and Benefits

★ one phase in, one phase 110VAC out（custom100/120/127）
★ True on-line double conversion design to provide the best power quality
★ Advanced micro-processor control technology to enhance the availability and reliability of the system
★ SPWM technology, IGBT power modules and the output isolation transformers, to ensure the output from the power grid fluctuations and noise interference
★ Advanced technology of Lock-in synchronization and electronic static bypass-switch, to ensure the continuity of load power supply
★ Ultra-Wide Input voltage windows, thereby reducing the use frequency of the battery, effectively extending the service life of the battery
★ Ultra-Wide Input frequency windows for Generator compatible
★ Smart battery management technology to effectively protect the battery, extending the battery life
★ Parallelable current-equalizer charger, current imblance ≤3％, to the maximum to satisfy the configuration requirements of the system
★ Perfect protection design to greatly ensure the stability and reliability of the system operation
★ Super cold-start capability, cold started available under full-loaded to meet the user’s urgent requirements
★ Intellegent unattended design to meet the requirements of various occations.
★ Friendly LCD panel indication design for easy-communication between UPS and user
★ Through the RS232 interface, the system's various parameters clearly displayed on the monitor; by setting, the computer directly controls many functions of the system
★ With external SNMP adapter, the system directly linked to the Internet, to provide real-time information of UPS and power;Through a variety of network management platforms for communication and management, the system instantly become a part of network

（3） GD Series Applications：

★ ISP, network node & center, server group, industrial process control, routers, switches, office automation, computer equipment, precision instruments & equipment, and so on



（4） GD Series Specifications:

Model	GD6K	GD6KS	GD10K	GD10KS	GD15KS	GD20KS	GD30KS
Capacity	6KVA	6KVA	10KVA	10KVA	15KVA	20KVA	30KVA
AC Input							
Voltage	Single phase 160~275VAC						
Frequency	50(60) Hz ±5%						
Max current	64A		120A		1		
AC Output							
Voltage	Single phase 80~138VAC						
Frequency	50(60) ±5Hz						
Voltage range	±1%						
Frequency range	±0.5% (when mains supply failure)						
Wave form	SPWM pure sine wave						
Power factor	0.8(lag)						
THD	<3%(linear load)						

Transient response	Voltage change ≤4%（100% load into or out of all）			
Crest factor of output current	3:1 (Max.)			
Battery				
Voltage	16*12V7 AH	192V	16*12V7 AH	192V
Type	Sealed lead acid, maintenance free			
Charge time	90% capacity in 8-10 hours			
Warning Settings				
Mains failure	Buzzer calling 1 time every 4 seconds			
Mains abnormal	Buzzer calling 1 time every 4 seconds Mains mode indicator light flashing			
Battery running out	Buzzer calling 1time every 1second; Battery mode indicator light flashing， Battery low-voltage indicator lighting			
Over-load	Over-load indicator lighting，buzzer long calling			
UPS abnormal	Failure indicator lighting，buzzer long calling			
Protection Settings inside				
Battery	Automatically switch off UPS while battery low-voltage; Restarting while mains supply resume; Small circuit breaker protection			
Over-load	Automatically switch to bypass in 60 seconds when 120%-150% overload , automatically resume when load become normal			
Over-temperature	Automatically switch to bypass when temperature ＞85℃ inside UPS			
Output short circuit	Current limit, turn off automatically, Small circuit breaker protection			
UPS abnormal	Automatically switch to bypass			
Clutter filter	10~100KHz at 40dB; 100KHz~100MHz at 70dB			
Control panel				
LCD panel	Working mode, I/ O voltage, I/ O frequency, Battery voltage, Output power percentage, Inverter temperature			
Battery low-voltage indicator light	Lighting when bettery low voltage			
Over-load indicator light	Lighting when over load			
Failure indicator light	Lighting when UPS failure			

UPS status indicator light	Mains mode；battery mode；inverter mode；bypass mode；UPS abnormal						
Safety standard							
Safety	IEC60950：1999； GB4943-2001						
EMI	IEC61000-4-2, GB9254-1988						
EMC	IEC61000-4-2 (Level 4)，IEC61000-4-3 (Level 3) IEC61000-4-4 (Level 4)，IEC61000-4-4 (Level 4)						
Environment							
Temperature	0~40℃						
Humidity	20~90% no condensing						
Altitude	<1000m（output power reduces 5% for each additional altitude 500m）						
Noise	<58dB (1m)						
Appearance							
Method of connecting wire	Terminal blocks						
Net weight (battery free）	96Kg	56Kg	110Kg	65Kg	155Kg	200Kg	245Kg
W×D×H (mm)	230×580×540		230×580×700		310*590*870		
Other							
Machine efficiency	＞85%						
Transfer time	0ms						
Communication	RS232 interface； external SNMP adaptor (optional)						