

# GP SERIES

## ON-LINE UPS 4KVA-10KVA

## FEATURES

The GP Series transformer based On-line Double Conversion UPS Units are best known for their durability and performance. The transformer based design gives a level of protection usually reserved for larger industrial units. By providing galvanic isolation, this gives superior protection by isolating the UPS output from the input. The GP series provide the ultimate protection against surges, dips, blackouts and lightning. When sized correctly, these units are able to drive motors, air conditioners, copiers, IT infrastructure as well as a range of custom applications with an expected lifespan of 15 years.

- True on-line double conversion design providing galvanic isolation
- Sine wave pulse width modulation (PWM)
- IGBT inverter design
- Wide input voltage window
- Pure sine wave output with less than 3% THD
- Expandable backup time
- Generator compatible
- Load/Battery power meter display
- Overload, on-line, battery status LED/LCD
- Advanced Battery Management
- Automatic charging in off-mode
- Zero transfer time on AC mode to/ from battery mode/ bypass mode
- Smart RS-232 communication



Telephone Systems



Computer



Servers



Camera Surveillance



Point of Sale



Gates



Industrial

## PANELS



8/10KVA



4/6KVA

### LCD Functions

AC Input voltage  
AC Input frequency  
AC Output voltage  
AC Output frequency  
Output load  
Battery voltage  
Internal temperature

- ① RS232 Communication Port
- ② Manual bypass
- ③ Input/output breaker
- ④ Input/output terminals
- ⑤ Relay contacts

### Relay Contacts Functions

AC failure  
Battery low voltage  
UPS fault  
Bypass

- ① LCD
- ② Output indicator
- ③ Fault indicator
- ④ Battery energy indicator
- ⑤ Overload indicator
- ⑥ Bypass indicator
- ⑦ On switch
- ⑧ Off switch
- ⑨ Display switch button
- ⑩ Input indicator



## SPECIFICATIONS

Model	GP804	GP806	GP808	GP810
Capacity	4KVA/3.2KW	6KVA/4.8KW	8KVA/6.4KW	10KVA/8KW
<b>Input</b>				
Voltage Range	176V-264V			
Frequency Range	40Hz-60Hz			
Phase	Single Phase			
Max. Current	20A	30A	40A	50A
<b>Output</b>				
Voltage	230V ± 1%			
Frequency	50 Hz ±0.5%			
Wave Form	PWM sine wave			
Power Factor	0.8			
Distortion	<3%(linear load)			
<b>Battery</b>				
Type	Sealed lead acid, maintenance free			
Configuration	16 X 12V/7AH Internal		16 X 12V/7AH External	
DC Voltage	192VDC			
Recharge Time	8 hours to 90% capacity after complete discharge			
<b>Function</b>				
Efficiency	>85%			
Transfer Time	0s			
UPS Status Indicator	Mains, inverter, bypass, UPS abnormal (fault)			
Ports	RS232			
Software	Windows 95/98/NT/2000/XP/Vista/7, Windows Server 2003/2008 Linux Debian, Redhat, Fedora, Suse, Ubuntu, Centos, Novell, Mac, FreeBSD			
Optional	SNMP, Relay contact output, AS400 relay contact, External manual bypass			
Internal Protection	Input surge filter Electronic and fuse protection Overload: when load reaches 110~150% of UPS rating, transfer to bypass after 3s, automatic recovery Over-temperature: automatically transfer to bypass if UPS internal temperature > 85 Degrees C Output short-circuit: current limit, automatic shutdown and fuse UPS Fault: automatically transfer to bypass			
LCD & Mimic Panel	input and output voltage, input and output frequency, battery voltage, output load (%), temperature			
LED	Mains present, bypass, inverter, fault LED Green LED for normal operation; Yellow LED for warning condition; Red LED for abnormal operation			
Audible Alarm	Mains Disconnect: buzzer beeps once every four seconds Overload or abnormal operation: fault indicator light, buzzer continuously beeps			
<b>Environment</b>				
Temperature	0-40 Degrees C			
Humidity	0-90% (non-condensing)			
Noise	<58dB			
<b>Physical</b>				
Input/output	Terminal Connection			
Unit Weight	95Kg	105Kg	170Kg	182Kg
Dimension(W*D*H)	230*635*700mm		305*650*867mm	

## RUNTIME IN MINUTES

LOAD VA/W	500VA 350W	1000VA 700W	2000VA 1400W	3000VA 2100W	4000VA 2800W	6000VA 4200W	8000VA 5600W	10000VA 7000W
GP804	55	48	43	27	11			
GP806	119	71	67	52	34	22		
GP808	130	96	83	64	49	29	12	
GP810	135	111	98	71	56	38	14	8



Longer runtimes available by request.

Specifications subject to change without prior notice.