

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



4/6KVA

LCD Functions

AC Input voltage
AC Input frequency
AC Output voltage
AC Output current
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	GP806
Capacity	6KVA/4.8KW
Input	
Voltage Range	176V-264V
Frequency Range	40Hz-60Hz
Phase	Single Phase
Max. Current	30A
Output	
Voltage	230V ± 1%
Frequency	50 Hz ±0.5%
Wave Form	PWM sine wave
Power Factor	0.8
Distortion	<3% (linear load)
Battery	
Type	Sealed lead acid, maintenance free
Configuration	16 X 12V/7AH Internal
DC Voltage	192VDC
Recharge Time	8 hours to 90% capacity after complete discharge
Function	
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
Environment	
Temperature	0-40 Degrees C
Humidity	0-90% (non-condensing)
Noise	<58dB
Physical	
Input/output	Terminal Connection
Unit Weight	105Kg
Dimension(W*D*H)	230*635*700mm

RUNTIME IN MINUTES

LOAD VA/W	500VA 350W	1000VA 700W	2000VA 1400W	3000VA 2100W	4000VA 2800W	6000VA 4200W
GP806	119	71	67	52	34	22
GP806L60	283	211	140	100	79	58
GP806L120	543	406	270	193	155	118
GP806L180	786	591	396	283	231	179
GP806L240	962	751	540	385	311	238

Longer runtimes available by request.

Specifications subject to change without prior notice.

