

# 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

### 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

### 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

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

## RUNTIME IN MINUTES

LOAD VA/W	500VA 350W	1000VA 700W	2000VA 1400W	3000VA 2100W	4000VA 2800W	6000VA 4200W	8000VA 5600W
GP808	130	96	83	64	49	29	12
GP808L60	370	259	148	120	93	75	58
GP808L120	930	651	372	302	233	175	118
GP808L180	1390	973	556	452	348	263	179
GP808L240	1867	1307	747	607	467	352	238

Longer runtimes available by request.

Specifications subject to change without prior notice.

