



# 4-10KVA UPS

## Pure Sinewave On-Line

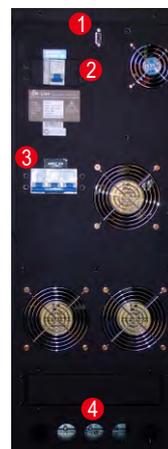
The GP Series transformer based On-Line Double Conversion UPS Units are best known for their reliability and performance. By providing a galvanic isolation transformer, the GP offers superior protection by isolating the UPS output from the input, this level of protection is usually reserved for larger industrial units. 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 a large selection of battery banks and runtimes. This UPS boasts an expected lifespan of 15 years!



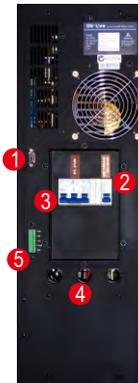
### Features

- True on-line double conversion design providing galvanic isolation
- Sine wave pulse width modulation (PWM)
- IGBT inverter design
- Pure sine wave output with less than 3% THD
- Expandable backup time
- Pre-installed relay connections
- Generator compatible
- LED and LCD display

### Panels



8/10KVA



4/6KVA



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

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

### Runtime in minutes

The GP has a large selection of battery banks available giving varying runtimes. A custom solution can also be made.

#### Internal Batteries, for GP804/806 only.

Load VA/W	500VA 400W	1000VA 800W	1500VA 1200W	2000VA 1600W	3000VA 2400W	4000VA 3200W	5000VA 4000W	6000VA 4800W
BBGP804/6	170	80	62	46	20	13	9	7

#### External battery banks, all units.

Load VA/W	500VA 400W	1000VA 800W	1500VA 1200W	2000VA 1600W	3000VA 2400W	4000VA 3200W	5000VA 4000W	6000VA 4800W	8000VA 6400W	10000VA 8000W
BBGPM-9-16	170	80	62	46	20	13	9	7	5	3
BBGPM-9-32	470	160	124	92	44	33	25	18	13	8
BBGPM-9-48	495	240	170	118	58	43	40	33	24	18
BBGPM-9-96	720	510	350	240	170	120	96	70	55	35
BBGPM-9-144	1000	720	520	350	235	178	150	120	105	70
BBGP-75-16			600	435	256	187	149	118	87	65
BBGPM-120-16				780	505	350	280	235	204	125
BBGPM-120-32					900	740	610	490	380	320
BBGPM-120-48					1515	1090	890	765	650	456

\* Runtimes are an estimation only.

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				
Harmonic distortion	<3%(linear load)				
<b>Battery</b>					
Type	Sealed lead acid, maintenance free				
Configuration	16 x 12V internal or external		16 x 12V external		
DC voltage	192VDC				
Recharge time	8 hours to 90% capacity after complete discharge				
<b>Function</b>					
Efficiency	Mains input to mains output >85%				
Transfer time	0s				
UPS Status indicator	Mains, inverter, bypass, UPS abnormal (fault)				
Ports	RS232, relay contact output				
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, 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)				
<b>Physical dimensions</b>					
Input/output	Terminal Connection				
Unit weight w/o battery	95Kg	105Kg	170Kg	182Kg	
UPS dimension(W*D*H)	230*635*700mm		305*650*867mm		
<b>Battery bank</b>					
Dimension(W*D*H)/ weight	BBGP804/6	BBGPM-9-16	BBGPM-9-32	BBGPM-9-48	BBGPM-9-96
	Internal in UPS/38.4kg	191x455x345mm/46kg	230x635x700mm/106.8kg	230x635x700mm/145kg	470x635x700mm/290kg
	BBGPM-9-144	BBGP-75-16	BBGPM-120-16	BBGPM-120-32	BBGPM-120-48
	705x635x700mm/436kg	780x480x1230mm/406kg	780x480x1230mm/542kg	780x970x1230mm/1084kg	780x1460x1230mm/1626kg

Specifications are subject to change without prior notice

### Communication Accessories

#### SW099

Internal SNMP card - remote monitoring and access to UPS via assigned IP address



#### External wall mount bypass

GP804/806 - EMBP25-1-W  
GP808/810 - EMBP40-1-W



### Recommended Accessories

#### LLB9

Long Life batteries - 10-year design life battery upgrade

10 year design life



N12754