

GP800 SERIES

1 ~ 15kVA

Topology: Single-phase in to Single-phase out, power frequency, double conversion online



Features

■ High reliability design

· Double Conversion on-line design, which makes the output a pure sine wave source with tracking frequency, phase-lock and voltage regulation, low distortion and without power fluctuation interference, providing the load with more comprehensive protection.

■ Strong protection for load

· Built-in isolation transformer, strong anti-interference ability, provides more comprehensive and perfect protection.

■ Strong environmental adaptability

· Wide input voltage range up to :165 ~ 275Vac , avoid frequently switching to battery mode, which adapt to the areas with harsh environment.
· Wide input frequency range, ensure all types of fuel generators connected work stable.

■ Optimization of high-performance battery

· Advanced floating switching and charging technology maximums the activation of the battery, thus saves the charging time and extends the battery life.

■ Battery cold start function

· The UPS can be start directly by battery group when no utility access in, which meets the emergent needs of user.
· Strong cold start ability, which can do the cold start operation when full load.

■ Comprehensive and reliable protection

· Self-diagnosis function before start-up, avoid the risks that the failure may lead to.
· The multi-protections such as overload, short-circuit, over-temperature, battery under voltage, battery over-charge and so on greatly ensure the system stability and reliability.
· Built-in static electronic bypass switch, when UPS fails, it can transfer to bypass mode and continue to provide power for load by AC.
· DC start function. The UPS can be started directly without AC, which meet the emergent needs of the user.

■ User-friendly network management

· Communication with computer can be realized by RS232 with corresponding monitoring software. The various parameters can be shown on the communication interface.
· External SNMP adapter. The UPS with remote network management capability can provide real-time data for communication and management through a variety of network management systems.



- 1.RS232 port
- 2.FAN
- 3.Input breaker
- 4.Connection box
- 5.Entrance hole
- 6.Active wheel

Rear Panel

Technical Specifications:

MODEL	GP801	GP802	GP803	GP804	GP806	GP808	GP810	GP812	GP815
Capacity (VA/Watts)	1k/0.8k	2k/1.6k	3k/2.4k	4k/3.2k	6k/4.8k	8k/6.4k	10k/8k	12k/9.6k	15k/12k
INPUT									
Nominal voltage	220/230Vac								
Operating voltage range	165 ~ 275Vac								
Operating frequency range	50/60Hz (± 5%)								
Power factor	> 0.97 (with filter)								
Max. input current	6A	10A	14A	24A	34A	45A	56A	65A	80A
OUTPUT									
Output voltage	220Vac(± 0.5%) / 230Vac(± 0.5%)								
Output frequency	50/60Hz(± 0.5%)								
Crest factor	3:1 (max)								
Efficiency	1~8kVA: 85% online, 92% High efficiency mode 10~30kVA: 90% online, 92% High efficiency mode								
Harmonic distortion (THD)	<1.5%(Linear load)								
BATTERY									
Battery voltage	48Vdc or 192Vdc				192Vdc				
SYSTEM FEATURES									
Transfer time	0 ms (Line mode→ Battery mode)								
Overload	>125% : 1min, >150%: 200ms								
Communication interface	RS232, SNMP(optional), Dry contact (optional)								
ENVIRONMENTAL									
Operating temperature	0 ~ 40°C								
Storage temperature	-25°C ~ 55°C								
Humidity range	0 ~ 95% (non condensing)								
Altitude	<1500m								
Noise level	<55dB								
PHYSICAL									
Dimension W × D × H (mm)	200 × 608 × 538 (48Vdc/Battery) 230 × 580 × 720 (192Vdc/Battery)			230 × 580 × 720		305 × 585 × 864			409 × 798 × 1044
Net weight (kg)	44/45	55/54	62/54	57	63	92	100	125	180
STANDARDS									
Safety	IEC/EN62040-1; IEC/EN60950-1								
EMC	IEC/EN62040-2; IEC61000-4-2; IEC61000-4-3; IEC61000-4-4; IEC61000-4-5; IEC61000-4-6; IEC61000-4-8								

Specifications subject to change without prior notice.