GP800 Series

1~20kVA

1:1 phase PF: 0.8

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

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

Wide Input Range

- 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

Strong Protection for Load

- Built-in isolation transformer, strong anti-interference ability, provides more comprehensive protection

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 is optional The UPS with remote network management capability can provide real-time data for communication and management through a variety of network management systems

Technical Specifications

MODEL	GP801	GP802	GP803	GP804	GP806	GP808	GP810	GP812	GP815	GP820
Capacity (kVA/kW)	1/0.8	2/1.6	3/2.4	4/3.2	6/4.8	8/6.4	10/8	12/9.6	15/12	20/16
INPUT										
Nominal Voltage (Vac)	220/230									
Operating Voltage Range (Vac)	165~275									
Operating Frequency Range (Hz)	50/60 (±5%)									
Power Factor	≥0.97 *									
OUTPUT										
Output Voltage (Vac)	220 (±0.5%)/230 (±0.5%)									
Output Frequency (Hz)	50/60 (±0.5%)									
Crest Factor	3:1 (Max)									
Efficiency	Up to 82%			Up to 84%		Up to 85%				
Harmonic Distortion (THDv)	≤2% (Linear load)									
BATTERY										
Battery Voltage (Vdc)	48 or 192			192						
SYSTEM FEATURES										
Transfer Time (ms)	0 (Line mode → Battery mode)									
Overload	110%≤Load≤150%/1min; >150%/200ms, to Bypass									
Communication Interface	RS232, RS485 (Optional), EPO (Optional), Dry contact (Optional), SNMP (Optional)									
ENVIRONMENTAL										
Operating Temperature (℃)	0~40									
Storage Temperature (℃)	-25~55									
Humidity Range	0~95% (Non-condensing)									
Altitude (m)	<1500									
Noise Level (dB)	<60							<65		
PHYSICAL										
Dimension W×D×H (mm)	230×580×720 (S)/250×500×635 (H)					305×655×864 (S) 250×500×635 (H)		305×585×864		
Net Weight (kg)	80/32 (S/H)	85/36 (S/H)	99/40 (S/H)	102/45 (S/H)	108/50 (S/H)	110/60 (S/H)	115/65 (S/H)	115	130	145
Shipping Weight (kg)	88/40 (S/H)	93/44 (S/H)	107/48 (S/H)	110/53 (S/H)	116/58 (S/H)	118/68 (S/H)	123/73 (S/H)	125	140	155
STANDARDS										
Safety	IEC/EN 62040-1; IEC 62477-1									
EMC	IEC/EN 62040-2 (IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-11, IEC 61000-2-2)									
Performance	IEC/EN 62040-3									

* With optional filter
1. Specifications are subject to change without prior notice
2. Data above are typical values for reference only, not as a basis for engineering design