



Robust Transformer-type UPS Series

**KSTAR**

Website: [www.kstar.com](http://www.kstar.com)

**CONTACT**

Tel: +86-755-86169858  
Fax: +86-755-86168482  
E-mail: [sales@kstar.com](mailto:sales@kstar.com)

**HEADQUARTERS**

Add: 4/F, No.1 Bldg, Software Park, Keji C. Rd. 2nd, Hi-Tech Industrial Zone,  
Shenzhen 518057, P.R.China

**FACTORIES ADDRESS**

Add: Kstar Industrial Park, Guangming Hi-Tech Industrial Zone, Shenzhen, P.R.China,  
Add: Kstar Industrial Park, Fumin Industrial Zone, Guanlan Town, Shenzhen, P.R.China,  
Add: Kstar Industrial Park, Zhongkai Hi-Tech Industrial Zone, Huizhou, P.R. China.

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# GP800 SERIES

1 ~ 20kVA  
1:1 phase PF: 0.8



## Technical Specifications:

MODEL	GP801	GP802	GP803	GP804	GP806	GP808	GP810	GP812	GP815	GP820	
Capacity (VA/Watts)	1kVA/0.8kW	2kVA/1.6kW	3kVA/2.4kW	4kVA/3.2kW	6kVA/4.8kW	8kVA/6.4kW	10kVA/8kW	12kVA/9.6kW	15kVA/12kW	20kVA/16kW	
<b>INPUT</b>											
Nominal voltage	220/230Vac										
Operating voltage range	165 ~ 275Vac										
Operating frequency range	50/60Hz (± 5%)										
Power factor	> 0.97 (with filter)										
Max. input current(A)	8.5	14	17.5	22.5	31	40	50	60	70	90	
<b>OUTPUT</b>											
Output voltage	220Vac(± 0.5%) / 230Vac(± 0.5%)										
Output frequency	50/60Hz(± 0.5%)										
Crest factor	3:1 (max)										
Efficiency	>82%			>85%			>88%				
Harmonic distortion (THD)	<1.5%(linear load)										
<b>BATTERY</b>											
Battery voltage	48Vdc or 192Vdc				192Vdc						
<b>SYSTEM FEATURES</b>											
Transfer time	0 ms ( Line mode → Battery mode)										
Overload	Load ≤ 125%/ 1min; ≤ 150% /200ms,to Bypass										
Communication interface	RS232, SNMP(optional), Dry contact (optional)										
<b>ENVIRONMENTAL</b>											
Operating temperature	0 ~ 40°C										
Storage temperature	-25 ~ 55°C										
Humidity range	0 ~ 95% (non-condensing)										
Altitude	<1500m										
Noise level	<55dB										
<b>PHYSICAL</b>											
Dimension W × D × H (mm)	230 × 580 × 720 (S) 250 × 500 × 635 (H)				230×580×720				305×585×864		
Net weight ( S / H ) (kg)	80/45	85/50	99/54	102/57	108/63	80	82	88	120	130	
<b>STANDARDS</b>											
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 are subject to change without prior notice.

## 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 protection.

### ■ 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.

### ■ 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 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.