

Catalog



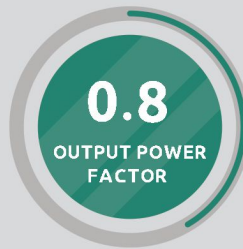
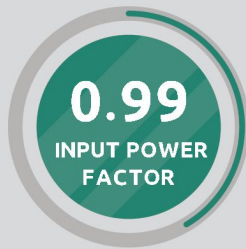
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Uninterruptible Power Supply
A N D B A T T E R Y

GK Series 1-3KVA

1:1 Phase PF 0.8



Features:

- High power density
- Online double conversion with full digital control
- Wide input voltage range:110~300Vac
- Input power factor 0.99 with PFC
- Selectable output voltage: 208/220/230/240Vac
- Smart charger design for optimized battery performance
- Maximum charging current can be expanded to 12A
(Long run unit)
- Emergency power off function (EPO)
- ECO mode operation for energy saving
- Generator compatible
- Cold start
- Intelligent fan speed regulation
- Versatile LCD human-computer interface
- Multiple communication interface:RS232
(USB/EPO/Relay card/SNMP card optional)
- Multiple protection function: short-circuit, overload,
overheat, battery overcharge and overdischarge,output
low voltage and fan fault alarm



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Technical Specifications:

MODEL	GK1V		GK2V		GK3V	
Capacity	1000VA / 800W		2000VA / 1600W		3000VA / 2400W	
INPUT						
Nominal voltage	208/220/230/240Vac					
Input voltage range	110~300Vac (176~280Vac @ 100% load)					
Power factor	≥0.99					
FREQUENCY						
Frequency range	40~70Hz (50/60Hz Auto-Sensing)					
OUTPUT						
Output voltage	208/220/230/240Vac					
Voltage regulation	± 1%					
Power factor	0.8					
Output frequency	Line mode	46~54Hz or 56~64Hz				
	Bat. mode	(50/60 ± 0.1%)Hz				
Crest factor	3:1					
Harmonic distortion (THDv)	≤3% Linear load					
	≤5% Non linear load					
Transfer time	AC mode to Bat.mode	0ms				
	Inverter to Bypass	4ms (Typical)				
Output waveform	Pure Sinewave					
EFFICIENCY						
AC mode	88%		90%		91%	
Battery mode	85%		87%		88%	
BATTERY						
Battery number	2		4		6	
Capacity (Standard unit)	9Ah/12V					
Typical recharging time	4 hours (to 90% of full capacity)					
Charging voltage	27.4Vdc ± 1%		54.8Vdc ± 1%		82.2Vdc ± 1%	
Charging current (Max.)	1A		1A		1A	
INDICATORS						
LED display	Line mode, Bat. mode, ECO mode, Bypass mode, Battery low voltage, Overload & UPS fault					
LCD display	Input voltage, Input frequency, Output voltage, Output frequency, Load percentage, Battery voltage, Inner temperature & Remaining battery backup time					
ALARM						
Battery mode	Beeping every 4 seconds					
Battery low	Beeping every second					
Overload	Beeping twice every second					
Fault	Continuously beeping					
PHYSICAL						
Dimension W x D x H (mm)	144 x 293 x 209		191 x 460 x 337			
Net weight (kg)	9.3		19.5		24.5	
ENVIRONMENT						
Operating temperature	0°C~40°C					
Storage temperature	-25°C~55°C					
Humidity range	20~95%RH @ 0~40°C (Non condensing)					
Altitude	<1500m, derating required when >1500m					
Noise level	<55dB at 1 Meter					
STANDARDS						
Safety	IEC/EN62040-1, IEC/EN62477-1					

Specifications are subject to change without prior notice.
When output voltage is 208Vac, need to derate to 80% of the unit capacity.

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