



GFS Power

Space Critical Power Solutions

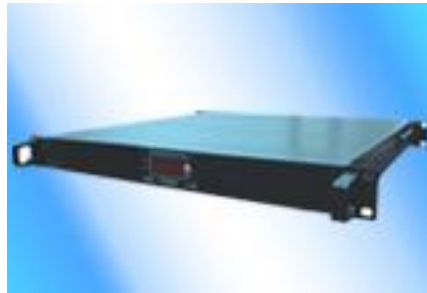
1kVA Inverter

19" / 23" 1U

Pure Sine Wave

12V, 24V or 48VDC – 100/110/115/120VAC Switch Selectable

12V, 24V or 48VDC – 200/220/230/240VAC Switch Selectable



1kVA Series

FEATURES

- Inverter: Slim line style
- Application: Stand-alone
- 19" / 23" 1U Rack-mount models
- Input voltage: 12V, 24V or 48V DC
- Output voltage: 100/110/115/120V AC (switch selectable) or 200/220/230/240V AC (switch selectable)
- Output waveform: Pure Sine Wave
- Output frequency: 50/60Hz +/- 0.05% (switch selectable)
- Utility bypass: integrated
- AC input: 110V AC (90-130V), 220V AC (180-260V)
- AC input frequency: 50-60Hz +/- 3% (switch selectable)
- Efficiency: refer to electrical performance for each model
- Display: digital
- Interface control port: RS-232
- Baud rate: 2400, 4800, 9600, 19200 (switch selectable)
- Output power: continuous

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ELECTRICAL PERFORMANCE: 1U 1kVA 19" RACK-MOUNT PURE SINE WAVE INVERTERS

Specification	Model					
Item	12VDC 1kVA (1U) 100/110/ 115/120VAC	24VDC 1kVA (1U) 100/110/ 115/120VAC	48VDC 1kVA (1U) 100/110/ 115/120VAC	12VDC 1kVA (1U) 200/220/ 230/240VAC	24VDC 1kVA (1U) 200/220/ 230/240VAC	48VDC 1kVA (1U) 200/220/ 230/240VAC
Continuous Output Power	850W (1kVA)					
Surge Rating	900W/1Mins, 950W/3Sec, 1000W/1Sec					
Input Voltage	12V	24V	48V	12V	24V	48V
Frequency	50/60Hz 0.05% (Switch Selectable)					
Peak Output Current	15A			9A		
Efficiency (full load)	86%	88%	89%	87%	90%	92%
No Load Current Draw	0.75A	0.4A	0.3A	0.7A	0.35A	0.25A
Output Waveform	R Load Pure Sine Wave <3% THD					
Output Voltage Regulation	100/110/115/120V (Switch Selectable) RMS 3%			200/220/230/240V (Switch Selectable) RMS 3%		
P.F.	0.85			0.85		
Input Voltage Range	10-16VDC	20-32VDC	42-62VDC	10-16VDC	20-32VDC	42-62VDC
Protection	Overload, Short Circuit, Reverse Polarity (Fuse), Over/Under Input Voltage, Over Temp.					
Digital Display	OVP, UVP, OTP, OLP, VAC, AMP, WATT, VDC, TEMP, Hz					
Safety	UL60950-1 (File No. E3245610)			EN60950-1		
EMC	FCC Class B			EN 55022:1998/ A1: 2000/A2:2003(Class B) EN 55024: 1998/ A1:2001/A2:2003 EN 61000-3-2: 2000/A2: 2005 EN 61000-3-3: 1995/A1: 2001 IEC 61000-4-2:1995/ A1:1998/A2:2000 IEC 61000-4-3:2002/A1: 2002 IEC 61000-4-4: 2004 IEC 61000-4-5:1995/A1: 2000 IEC 61000-4-6:1996/A1: 2001 IEC 61000-4-8: 1993/A1:2000 IEC 61000-4-11: 2004		
Interface Control Port	RS-232 With Baud Rate 2400, 4800, 9600, 19200 (Switch Selectable)					
AC Input	110V (90-130V)			220V (180-260V)		
AC Frequency	(50Hz-60 Hz) 3%			(50Hz-60 Hz) 3%		
Bypass	4-6ms			4-6ms		
Operating Temperature Range	-20°C to 60°C					
Storage Temperature Range	-30°C to 70°C					
Dimensions	408.7(L) 424.0(W) 44.0(H) mm					
Weight	6.5kgs					
Note: The specifications are subject to change without notice.						

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