



GFS Power

Space Critical Power Solutions

1U 19"/23" Rack-mount Model
YK- PSW481KVAE (UL) Series
1KVA Pure Sine Wave Inverter
48VDC – 240VAC



FEATURES

- Slim line stand-alone Inverter
- 19" / 23" 1U Rack-mount model
- Pure Sine Wave output
- 48VDC input – 240VAC output
- 50 / 60Hz +/- 0.05 selectable
- Efficiency 92%
- Digital Display
- RS-232C Interface with selectable baud rate
- Integrated utility bypass
- Continuous output power
- Remote control (optional)

ENVIRONMENTAL

Operating Temperature Range: -30°C to +60°C
Storage Temperature Range: -30°C to 70°C

CERTIFICATION

- CE
- EN5022:1998/A1:2000/A2:2003(Class B)
- EN61000-3-2:2000/A2:2005
- EN61000-3-3:1995/A1:2001
- EN55024:1998/A1:2001/A2:2003
- IEC61000-4-2:1995/A1:1998/A2:2000
- IEC61000-4-3:2002/A1:2002
- IEC61000-4-4:2004
- IEC61000-4-5:1995/A1:2000
- IEC61000-4-6:1996/A1:2001
- IEC61000-4-8:1993/A1:2000
- IEC61000-4-11:2004
- FCC

PROTECTION

- Overload
- Short Circuit
- Reverse Polarity (Fuse)
- Over/Under Input Voltage
- Over Temperature

UTILITY BYPASS

Bypass time: 4 – 6 ms

ELECTRICAL SPECIFICATIONS

Input voltage: 48VDC
Input voltage range: 42-62VDC
No load current draw: 0.25A
Output Voltage Regulation: 200 / 220 / 230 / 240V RMS +/- 3%
Continuous Output Power: 850W (1KVA)
Frequency: 50/60Hz +/- 0.05%
Switch selectable
Peak Output Current: 9A
Output Waveform: Pure Sine Wave
<3% THD (R Load)
Efficiency (full load): 92%
Surge Rating: 1700W

APPLICATION

Stand-alone

STATUS INDICATORS

Digital Display:

- OVP
- UVP
- OTP
- OLP
- VAC
- AMP
- WATT
- VDC
- TEMP
- Hz

INTERFACE CONTROL PORT

RS-232C with Baud Rate (Switch Selectable):

- 2400
- 4800
- 9600
- 19200

DIMENSIONS AND WEIGHT

Dimensions: 408.7(L) × 484.0(W) × 44.0(H) mm
Weight: 6.5kgs

Specifications are subject to change due to technical progress

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