



GAMATRONIC

Our Power, Your Confidence

Model IPU 1000

Main Features

- Employs high frequency PWM technology
- A microprocessor controls all diagnostics and operation
- Power density (2kVA in 1U 19" shelf; 1kVA in 1U 9.5" cabinet)
- Lightweight
- Standalone or parallel operation
- Parallel capability for N+1 redundancy
- High efficiency
- Transformerless design
- Continuous input DC current
- RS232 Communication port

Options

- Parallel operation
- BYPASS (for standalone operation)
- Management software

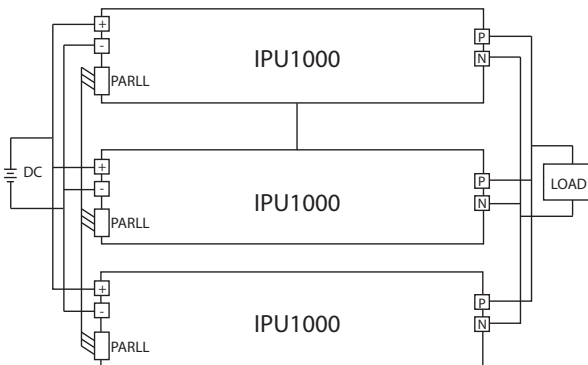
A 19" rack can house 2 modules of IPU1000



IPU1000

POWER	1kVA
Topology	Dual high frequency conversion
Control	8-bit RISC Microcontroller
INPUT	
Voltage	48Vdc (nominal) 42 ÷ 60Vdc
Current	20A (max.)
Psophometric noise	<2mV over 600W
Low voltage shutdown	42Vdc±0.5
OUTPUT	
Voltage	230Vac
Power	1000VA / 700W
Efficiency	90% @ 48VDC, full load
Frequency	50/60Hz 0.1% (free-mode)
Synchronization range	45-66Hz
Synchronization system	Digital PLL
Waveform	Pure sinewave
THD	1.5% max. for linear load 4% max. for non-linear load
Crest factor	3:1 max. for non-linear load
Voltage regulation (line & load)	1% (static) recovery within 500mS
GENERAL	
Isolation voltage	1500VAC input-output 1500VAC output-chassis 500VDC input-chassis
Protection	Input/output over-voltage, output overload & short circuit (inherent pulse-by-pulse)
Display	4 LEDs
Measurements and indications	Input DC voltage, output AC voltage, output current, status
Safety	IEC 950 (EN 60950)
EMC	including the shelf EN61000-6-1, EN55022-A
Acoustic noise	< 45dBA @ 1.5m
Operating Temperature	-10° +45°C
Communication	RS232 port for remote PC
Alarm	2 dry contacts (fault indication)
Dimensions WxHxD (mm)	241 x 44 x 243 (9.5" x 1U x 243mm)
Weight (without shelf)	1.5Kg

All specifications are typical and subject to change without prior notice



Multiple IPU1000 units installed in parallel