



**GAMATRONIC**

Our Power, Your Confidence

# Model IP210

## Main Features

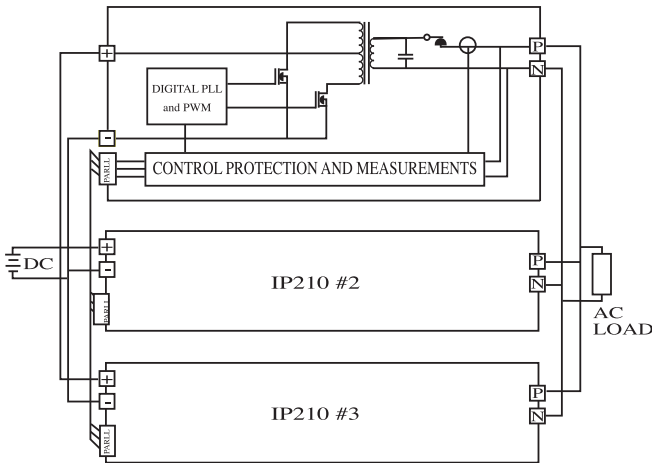
- High frequency PWM technology
- A microprocessor controls all diagnostics and operation
- Front panel for simple and efficient operation using a load bar graph
- Standalone or parallel use for reliability, enhanced power capacity and N+1 redundancy
- Parallel system can be connected to a static switch module to provide a bypass path to an alternative AC source (as shown in diagram below)

## Options

- Parallel connection
- Standalone with bypass
- Software (PSM-STSW)
- 24Vdc input, 1.5kVA



IP210 Parallel Inverter System



Parallel Inverter System



IP210 Stand Alone Inverter

POWER	1kVA	2kVA
Topology	20kHz PWM push/pull inverter	
Control	Microcontrolled	
<b>INPUT</b>		
Voltage	48Vdc (nominal) 42 ÷ 60Vdc	
Current	20A	35A
Psophometric Noise	<2mV over 600Ω	
Low Voltage Shutdown	42±0.5	
<b>OUTPUT</b>		
Voltage	220/230Vac ± 4% (110Vac option)	
Power	1000VA/700W	1800VA/1200W
Efficiency	85% @ 48Vdc full load	
Frequency	50/60Hz ±0.1 (free-mode)	
Synchronization Input	50/60Hz ±2Hz	
Waveform	Pure sinewave	
THD	2% max. for linear load 8% max. for non-linear load	
Crest Factor	3:1 max. for non-linear load	
Voltage Regulation	±1% (static, resistive load)	
Dynamic Regulation	Recovery within 1 mS for 100% load step Up to 10	
Parallel Operation		
<b>GENERAL</b>		
Protection	Overload, Short circuit (inherent pulse-by-pulse), input fuse Load level (bar-graph), Overload,	
Indications - LED	Low DC input voltage, Inverter ON, Synchronization IEC 950 (EN 60950)	
Safety	EN 61000-6-1, EN 55022-A	
EMC	<45dBA @ 1.5m	
Acoustic Noise	-10°C to +45°C (operating)	
Temperature	-20°C to +70°C (storage)	
Dimensions WxHxD	19" X 3U X 235mm	
Weight	10Kg	14Kg

All specifications are typical and subject to change without prior notice