

# MICRO CARE

Manufacturers and Distributors of Electronic Equipment

## Microcare Pure Sine Wave, Bi-Directional Inverters

Microcare Inverters have been made in South Africa for the last 20 years. During this period J&J has manufactured and sold thousands of inverters locally and internationally. The technology has been upgraded and the current range of inverters use High Frequency Pulse Width Modulation (PWM) to regulate the output of the inverter. The updated circuitry allows for smaller units and more cost effective quality performance. The inverters are pure sine wave with very low distortion and good regulation. The units incorporate battery low, overload, lightning protection, load sensing and LCD display as standard. Service and repair of the inverters at a minimum cost due to local manufacture.

**Features:**

- Available for 12v/24v/36v/48v and 96v dc systems
- Out put power from 1kw – 10kw
- Available in 3 phase (subject to special order)
- LCD Display
- Low idle current
- High Surge capacity for motor start
- Timed Overload capacity with Auto-Shutdown
- 3 Attempt Auto Restart
- Protection against short circuits
- Locally manufactured
- Minimum Service Turnaround
- Fan cooling for optimum performance
- Audible Buzzer indicating faults and overload conditions
- 1 Year Warranty



**Specifications**

Details		1kw	2kw	3kw	5kw
	Model no	mcin-1kw-12/24/36/48	mcin-2kw-12/24/36/48	mcin-3kw-24/36/48	mcin-5kw-36/48
OUTPUT	AC Voltage	230v	230v	230v	230v
	AC Amps	5	10	15	25
	Rated Power	1000w	2000w	3000w	5000w
	Surge Power	200%			
	Waveform	Sine Wave			
	AC Regulation	±3%			
	THD	< 3%			
	Frequency	50Hz±1%			
	Display	LCD			
INPUT	DC Voltage	12/24/36/48	12/24/36/48	24/36/48	36/48
	DC Amps Max	100/50/33/25	200/100/66/50	150/100/75	180/125
	Voltage Range	10v-14v / 20v-32v / 30v-48v / 40v-60v /			
	Efficiency(typical)	>80%			
	DC Connector	Battery Cables			
	Fuse	Internal Fuses			
Protection	Batt Low Alarm	Yes			
	Batt Low Shutdown	Yes			
	Over Load	120%/3min	150%/1min	200%/30sec	
	Over Voltage	Auto Shutdown			
	Over Temperature	Auto Shutdown and Reset			
	Output Short	Auto Shutdown and 3 attempt Reset			
	Cooling	Fan controlled			
Environment	Working Temp	0-40°			

- Please contact J&J Electronics for your Retail and Distributor prices
- All Microcare Products come with a 1 year warranty
- Microcare products are sold through authorized Microcare distributors