

# MICRO CARE

Solar Regulators, Inverters, Panels & Batteries.

## Microcare 10kw 48v Pure Sine Wave 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:

- Auto Load Sensing
- 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
- 2 Year Warranty



### Specifications

<b>Details</b>		<b>10kw</b>		
OUTPUT	Model no	mcin-10kw-48		
	AC Voltage	230v		
	AC Amps	45amps		
	Rated Power	10 000w		
	Surge Power	200%		
	Waveform	Sine Wave		
	AC Regulation	±3%		
	THD	< 3%		
	Frequency	50Hz±1%		
	Display	4 X line LCD		
INPUT	DC Voltage	48		
	DC Amps Max	250		
	Voltage Range	42v – 60v		
	Efficiency(typical)	>85%		
	DC Connector	Bolts		
	Fuse	2amp		
Protection	Batt Low Alarm	Yes		
	Over Load	120%/3min	150%/1min	200%/30sec
	Over Voltage/Under 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 2 year warranty
- Microcare products are sold through authorized Microcare distributors

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