

# Bi Directional Inverters

10kW | 15kW

Microcare Inverters are Pure Sine Wave Bi-Directional Inverters designed to obtain optimum inverted AC power from an installed DC Battery System. Using the latest in-house designed software the Microcare Inverter is able to improve the automatic change-over from the grid to the inverter allowing for an uninterrupted power supply to a range of applications from a sensitive server room to industrial machines. The locally designed Microcare Inverter is able to anticipate load failure by pre-charging the circuits for rapid transfer of power and change-over. When the grid power returns with a fluctuating voltage, the Microcare Inverter delays the transfer to a set connection time to avoid any load damage. Microcare Inverters use galvanic isolation resulting in the product being highly robust and reliable with low standby current and high efficiency ratings.



- Available for 36/48 (VDC) systems with output power of 10-15kW
- Li-Ion Compatible
- LCD display and low idle current
- High surge capacity for motor start
- Timed overload capacity with auto shutdown
- 3-Attempt auto restart with short circuit protection
- Built in, high rate, multi-stage battery charger
- Minimum local service turnaround time
- 5-year warranty
- Fan cooling for optimum performance and component longevity
- Audible buzzer indicating faults, overload and status
- Comms Module

	Model	10kW		15kW
Capacity	Watt	10 000W		15 000W
DC Input	Voltage (VoC)	36V	48V	48V
	Peak current draw (Idc)	333A	250A	375A
	Standby power draw (W)	100W		150W
AC Input	Voltage (Vac)	230V		
	Amps (A)	44A (63A at 200% output)		65A (80A at 200% output)
	Peak Power	200%		
	Voltage regulation	<3% for full range		
	Frequency (Hz)	50Hz		
	Power factor	1		
	Wave form	Pure Sine Wave		
	Peak efficiency (%)	<94%		
	Hardware protection	Circuit Breaker		
	Overload protection	Programmable Overload Levels & Auto Retry		
DC Charger	Voltage float (VDC)	41.4V	55.2V	55.2V
	Voltage boost (Vdc)	42.9 - 46.5V	57.2 - 62V	57.2 - 62V
	Peak current (IDC)	140A	100A	100A
	Boost Time (Hours)	1-3 (Selectable)		



## | CONTACT US

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