

# Mini LED Static Inverter

## FEATURES

True Sine Wave output  
Designed to BS 5266 standard

VRLA batteries included

## SPECIFICATION

3 Hour mains failure duration  
Emergency mode

Output wattage range from 50 watt to 400 watt

Steel enclosure

230 Volt AC 50Hz pure sine wave voltage output

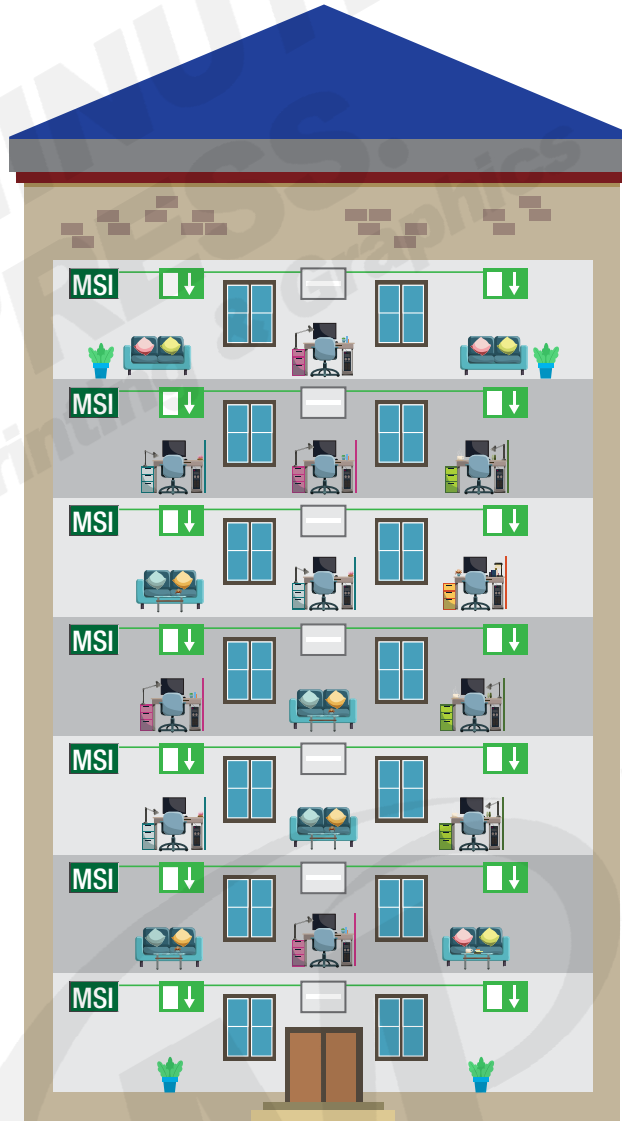
## APPLICATION

Emergency lighting application

## OPTIONS

Change over relay available  
Can be wall or floor mounted

Our mini static inverters provide a cost-effective solution to emergency lighting in multiple level buildings in Industrial, Commercial and Residential environments. Reducing the risk of total system failure in emergency situations and facilitating ongoing maintenance



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# MINI LED STATIC INVERTER

**COST EFFECTIVE, FULLY COMPLIANT  
LED EMERGENCY LIGHTING SYSTEM**



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The main advantages of a Mini LED inverter over self-contained EM/L systems are:

- Ease of maintenance so reducing costs
- Battery replacement is quicker & less disruptive
- Battery design life 10 years
- High Light (LUX) levels can be achieved

## DESCRIPTION

The STI-LED range of Mini Static Inverters have been engineered to suit LED lighting.

Offering a cost effective solution to powering unmodified LED luminaires in the event of mains failure, the unit is a pure sine wave inverter with a 230V AC output.

- Pure Sine Wave
- 32bit Micro-Controller
- Multi Function LCD Display
- 3 Hour Duration
- Overload and Short Circuit Protection
- Compatible with optional remote hold off relays



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# Emcal Systems Pure Sine Wave Mini Static Inverters

## TECHNICAL SPECIFICATION: Mini LED Inverter

Input Characteristics			
Input Voltage	EMC-INV50 230V AC +/-10%	EMC-INV120 230V +/- 10%	EMC-INV200 230V +/- 10%
Frequency	50Hz	50Hz	50Hz
Max Input Current	< 3.0A	< 3.0A	< 5.0A
Efficiency	<95%	<95%	<95%
Output Characteristics			
Output Voltage	230V AC		
Output Regulation	1-5% dependant on load		
Output Frequency	50Hz		
Output Power	50W	120 W	200W
Number of Outputs	1		
Maintained Capacity	Dual Circuit Maintained and Non-maintained		
Continuous Overload Capacity	120%		
Output	Pure Sine Wave		

Efficiency (100% load)	< 95%
Change Over Time	0.05 Seconds
Output Protection	Fuse

General	
Display Type	LCD
Inverter Weight approx (kg)	16.5
Cabinet Colour	Grey
IP Rating	IP41
Altitude	< 1000m
Min-Max Ambient Temp	0-40°C
Relative Humidity	90% Non Condensing
Acoustic Noise	20dBA @ 1m
Ventilation	Forced Air

Batteries			
Battery Type	Sealed Lead Acid Battery		
Battery Voltage	12V / 24Ah	12V / 38Ah	12V / 38Ah
Design Life	9	24.1	10 years
Battery Pack Weight (kg)	9	24.1	34.5
Duration			3 Hours