

# 50W, 120W, 200W, 400W, 800W MINI LED INVERTERS

The STI-LED range of Mini Static Inverters has 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. The range is designed to comply with the latest European and British Standard BS EN 50171:2001.



230V

IP41

1 YEAR  
GUARANTEE

Pure Sine Wave

Multi-Functional LCD Display

Overload and Short Circuit Protection

## Specification

Input Voltage:	230V AC +/-10%
Frequency:	50Hz
Efficiency at 100% Load:	>95%
Output Regulation:	1-5% Dependent on Load
Number of Outputs:	4
Maintained:	1 (switched live)
Continuous Overload Capacity:	120%
Change Over Time:	0.05 Seconds
Output Protection:	Fuse
Inverter Weight:	16.5Kg
Altitude:	<1000m
Ambient Temperature:	0-25°C
Relative Humidity:	90% Non-Condensing
Acoustic Noise:	20dBa at 1m
Ventilation:	Forced Air

## Batteries

Type:	Sealed Lead Acid
Design life:	10 years
Duration:	3 Hours
Voltage:	12V

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## Additional Information

- 32 bit Micro-Controller
- Overload and Short Circuit Protection
- Compatible with optional remote hold off relays
- Specifically Designed for use with LED Luminaires
- Steel housing
- Designed in accordance with BS 5266
- 3 Hour Emergency Duration
- Wall mount or free standing
- Cable entry: Top/side
- Four individually fused outputs

Code	Output Power	Maximum Input Current	Weight: Inverter Cubicle (Kg)	Weight: Batteries	Dimensions (H X W X D mm)
C/STI-LED-50	50w	$\leq 3.0A$	16.5	9Kg	Inverter cubicle 305 x 472 x 166 Battery Cubicle N/A
C/STI-LED-120	120w	$\leq 3.0A$	16.5	24.1	Inverter cubicle 305 x 472 x 166 Battery Cubicle 238 x 472 x 174
C/STI-LED-200	200w	$\leq 5.0A$	16.5	34.5	Inverter cubicle 305 x 472 x 166 Battery Cubicle 238 x 472 x 174
C/STI-LED-400	400w	$\leq 5.0A$	16.5	34.5 (x2)	Inverter cubicle 305 x 472 x 166 Battery Cubicle (x2) 238 x 472 x 174
C/STI-LED-800	800w	$\leq 5.0A$	38	37 (x2)	Inverter/Battery cubicle 780 x 500 x 380

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# 50W MINI LED INVERTER

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Multi-Functional LCD Display

Overload and Short Circuit Protection

## Additional Information

- 32 bit micro-controller
- Overload and short circuitry protection
- Compatible with optional remote hold off relays
- Specifically designed for use with LED luminaires
- Steel housing
- Designed in accordance with BS 5266
- 3 hour emergency duration
- Wall mount or free standing
- One fused outputs
- Additional fused outputs available on request

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## INPUT CHARACTERISTICS

Input Voltage:	230V AC +/- 10%
Frequency:	50Hz
Efficiency at 100% Load:	>95%

## OUTPUT CHARACTERISTICS

Output Voltage:	230AC
Output Regulation:	1-5% Dependent on Load
Output Frequency:	50Hz
Number of Outputs:	4
Maintained:	1 (switched live)
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:	16.5Kg
Cabinet Colour:	Grey
IP Rating:	IP41
Altitude:	<1000m
Ambient Temperature:	0-25°C
Relative Humidity:	90% Non-Condensing
Acoustic Noise:	20dBA at 1m
Ventilation:	Forced Air

## BATTERIES

Type:	Sealed Lead Acid
Design life:	10 years
Duration:	3 Hours
Voltage:	12V
Battery Pack Weight:	9kg

## DIMENSIONS

### INVERTER CUBICLE

Height:	305mm
Width:	472mm
Depth:	166mm
Fixing Locations:	Wall Mount/Free Standing
Cable Entry:	Top/Side
Door Clearances:	472mm

Code	Output Power	Maximum Input Current	Battery Voltage	Inverter Cubicle Weight
STI-LED-50	50W	<3.0A	12V/12Ah	25.5Kg

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# 120W MINI LED INVERTER

The STI-LED range of Mini Static Inverters has 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. The range is designed to comply with the latest European and British Standard BS EN 50171:2001.



DATA SHEET



230V

IP41

1 YEAR  
GUARANTEE

Pure Sine Wave

Multi-Functional LCD Display

Overload and Short Circuit Protection

## Additional Information

- 32 bit micro-controller
- Overload and short circuit protection
- Compatible with optional remote hold off relays
- Specifically designed for use with LED luminaires
- Steel housing
- Designed in accordance with BS 5266
- 3 hour emergency duration
- Wall mount or free standing
- One fused outputs
- Additional fused outputs available on request

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## INPUT CHARACTERISTICS

Input Voltage:	230V AC +/-10%
Frequency:	50Hz
Efficiency at 100% Load:	>95%

## OUTPUT CHARACTERISTICS

Output Voltage:	230AC
Output Regulation:	1-5% Dependent on Load
Output Frequency:	50Hz
Number of Outputs:	4
Maintained:	1 (switched live)
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:	16.5Kg
Cabinet Colour:	Grey
IP Rating:	IP41
Altitude:	<1000m
Ambient Temperature:	0-25°C
Relative Humidity:	90% Non-Condensing
Acoustic Noise:	20dBA at 1m
Ventilation:	Forced Air

## BATTERIES

Type:	Sealed Lead Acid
Design life:	10 years
Duration:	3 Hours
Voltage:	12V
Battery Pack Weight:	24.1kg

## DIMENSIONS

### INVERTER CUBICLE

Height:	305mm
Width:	472mm
Depth:	166mm
Fixing Locations:	Wall Mount/Free Standing
Cable Entry:	Top/Side
Door Clearances:	472mm

### BATTERY CABINETS

Height:	238mm
Width:	472mm
Depth:	174mm
Fixing Locations:	Wall Mount/Free Standing
Cable Entry:	Top/Side
Door Clearances:	472mm

Code	Output Power	Maximum Input Current	Battery Voltage	Inverter Cubicle Weight	Battery Cabinet Weight
STI-LED-120	120W	<3.0A	12V/12Ah	16.5Kg	24.1Kg

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# 200W MINI LED INVERTER

The STI-LED range of Mini Static Inverters has 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. The range is designed to comply with the latest European and British Standard BS EN 50171:2001.



DATA SHEET



230V

IP41

1 YEAR  
GUARANTEE

Pure Sine Wave

Multi-Functional LCD Display

Overload and Short Circuit Protection

## Additional Information

- 32 bit micro-controller
- Overload and short circuitry protection
- Compatible with optional remote hold off relays
- Specifically designed for use with LED luminaires
- Steel housing
- Designed in accordance with BS 5266
- 3 hour emergency duration
- Wall mount or free standing
- One fused outputs
- Additional fused outputs available on request

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## INPUT CHARACTERISTICS

Input Voltage:	230V AC +/- 10%
Frequency:	50Hz
Efficiency at 100% Load:	>95%

## OUTPUT CHARACTERISTICS

Output Voltage:	230AC
Output Regulation:	1-5% Dependent on Load
Output Frequency:	50Hz
Number of Outputs:	4
Maintained:	1 (switched live)
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:	16.5Kg
Cabinet Colour:	Grey
IP Rating:	IP41
Altitude:	<1000m
Ambient Temperature:	0-25°C
Relative Humidity:	90% Non-Condensing
Acoustic Noise:	20dBA at 1m
Ventilation:	Forced Air

## BATTERIES

Type:	Sealed Lead Acid
Design life:	10 years
Duration:	3 Hours
Voltage:	12V
Battery Pack Weight:	34.5kg

## DIMENSIONS

### INVERTER CUBICLE

Height:	305mm
Width:	472mm
Depth:	166mm
Fixing Locations:	Wall Mount/Free Standing
Cable Entry:	Top/Side
Door Clearances:	472mm

### BATTERY CABINETS

Height:	238mm
Width:	472mm
Depth:	174mm
Fixing Locations:	Wall Mount/Free Standing
Cable Entry:	Top/Side
Door Clearances:	472mm

Code	Output Power	Maximum Input Current	Battery Voltage	Inverter Cubicle Weight	Battery Cabinet Weight
STI-LED-200	200W	<5.0A	12V/36Ah	16.5Kg	35Kg

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# 400W MINI LED INVERTER

The STI-LED range of Mini Static Inverters has 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. The range is designed to comply with the latest European and British Standard BS EN 50171:2001.



DATA SHEET



230V

IP41

1 YEAR  
GUARANTEE

Pure Sine Wave

Multi-Functional LCD Display

Overload and Short Circuit Protection

## Additional Information

- 32 bit micro-controller
- Overload and short circuit protection
- Compatible with optional remote hold off relays
- Specifically designed for use with LED luminaires
- Steel housing
- Designed in accordance with BS 5266
- 3 hour emergency duration
- Wall mount or free standing
- One fused outputs
- Additional fused outputs available on request

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## INPUT CHARACTERISTICS

Input Voltage:	230V AC +/- 10%
Frequency:	50Hz
Efficiency at 100% Load:	>95%

## OUTPUT CHARACTERISTICS

Output Voltage:	230AC
Output Regulation:	1-5% Dependent on Load
Output Frequency:	50Hz
Number of Outputs:	4
Maintained:	1 (switched live)
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:	16.5Kg
Cabinet Colour:	Grey
IP Rating:	IP41
Altitude:	<1000m
Ambient Temperature:	0-25°C
Relative Humidity:	90% Non-Condensing
Acoustic Noise:	20dBA at 1m
Ventilation:	Forced Air

## BATTERIES

Type:	Sealed Lead Acid
Design life:	10 years
Duration:	3 Hours
Voltage:	12V
Battery Pack Weight:	34.5kg x 2

## DIMENSIONS

### INVERTER CUBICLE

Height:	305mm
Width:	472mm
Depth:	166mm
Fixing Locations:	Wall Mount/Free Standing
Cable Entry:	Top/Side
Door Clearances:	472mm

### BATTERY CABINETS

Height:	238mm (x2)
Width:	472mm
Depth:	174mm
Fixing Locations:	Wall Mount/Free Standing
Cable Entry:	Top/Side
Door Clearances:	472mm

Code	Output Power	Maximum Input Current	Battery Voltage	Inverter Cubicle Weight	Battery Cabinet Weight
STI-LED-400	400W	<5.0A	12V/36Ah	16.5Kg	35Kg

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# 800W MINI LED INVERTER

The STI-LED range of Mini Static Inverters has 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. The range is designed to comply with the latest European and British Standard BS EN 50171:2021.



DATA SHEET



230V

IP21

1 YEAR  
GUARANTEE

Pure Sine Wave

Multi-Functional LCD Display

Overload and Short Circuit Protection

## Additional Information

- 32 bit micro-controller
- Overload and short circuit protection
- Compatible with optional remote hold off relays
- Specifically designed for use with LED luminaires
- Steel housing
- Designed in accordance with BS 5266
- 3 hour emergency duration
- Wall mount or free standing
- One fused output
- Additional fused outputs available on request

# CHANNEL

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## INPUT CHARACTERISTICS

Input Voltage:	230V AC +/-10%
Frequency:	50Hz
Efficiency at 100% Load:	>95%

## OUTPUT CHARACTERISTICS

Output Voltage:	230AC
Output Regulation:	1-5% Dependent on Load
Output Frequency:	50Hz
Number of Outputs:	1
Maintained:	1 (switched live)
Continuous Overload	
Capacity:	120%
Output:	Pure Sine wave
Efficiency (100% load):	<95%
Change Over Time:	0.05 Seconds
Output Protection:	Fuse 5 amp

## GENERAL

Display Type:	LCD
Inverter Weight:	38Kg
Cabinet Colour:	Grey
IP Rating:	IP21
Altitude:	<1000m
Ambient Temperature:	0-25°C
Relative Humidity:	90% Non-Condensing
Acoustic Noise:	20dBA at 1m
Ventilation:	Forced Air

## BATTERIES

Type:	Sealed Lead Acid
Design life:	10 years
Duration:	3 Hours
Voltage:	12V
Battery Pack Weight:	37kg x 2

## DIMENSIONS

### INVERTER/BATTERY CUBICLE

Height:	780mm
Width:	500mm
Depth:	380mm
Fixing Locations:	Free Standing
Cable Entry:	Side
Door Clearances:	500mm

Code	Output Power	Maximum Input Current	Battery Voltage	Inverter/Battery Cubicle Weight
STI-LED-800	800W	<5.0A	12V/100Ah	112Kg

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