

## 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.



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 output
- Additional fused outputs available on request

### 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: | 24.1 kg          |

### 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                 |