The Gold Plus range of Static Inverter Units offer a reliable and proven solution for Emergency Lighting requirements including an inverter specifically designed to power lighting loads.

The units are compact, easily maintained and fully compliant to BS EN50171:2001

System Operation
The Gold Plus offers different systems to meet project specific requirements.

Active Standby
Mains Healthy
Mains Failed

Passive Standby
Mains Healthy
Mains Failed

Applications
- Commercial
- Retail
- Hotels
- Sports and Leisure Facilities
- Cinemas
- Museums
- Airports
- Hospitals
- Manufacturing
**Technical Data**

**Enclosure**
- 2mm Zintec Steel - RAL 7035
- Key lockable doors
- Front access enclosure
- Top cable entry with removable gland plate
- Access to circuit breakers via front hinged and lockable cover
- IP21 for standard enclosures (options up to IP54 available)

**Battery Charger**
- Microprocessor controlled, power factor corrected
- Temperature compensated
- Constant voltage, current limited rectifier
- Protection against reverse battery polarity
- Protection against battery over voltage, input mains low and mains surges
- Low volts disconnect

**Inverter**
- High frequency microprocessor controlled PWM IGBT inverter
- Pure sine wave output
- Galvanic isolation with ground neutral

**Load Circuit**
- Single or multiple outputs can be offered as maintained, non maintained or a combination of both
- Changeover Contacter (passive standby)
- Electronic Switching Device (active standby)

**Remote Monitoring**
- Volt free contact for: Common Alarm, Mains Fail, Charge Fail, Overload
- Remote alarm contact rating: 1A, 24V DC

**Datalogger**
- 200 alarm records and 200 battery records can be accessed via the display

**Manual Battery Test**
- A 10 minute test and deep discharge test are selectable via the display

**Auto Battery Test**
- A weekly or monthly test can be selected via the display

**Display**
- Consists of 4 x 20 character LCD Dot-Matrix with LED indication and scrolling command buttons