

A SPECIALIST DESIGNER, MANUFACTURER AND SUPPLIER OF POWER ELECTRONICS

**GLOBAL
SOLUTIONS
PERSONAL
FOCUS**

Power Supplies, Battery Chargers, DC-DC Converters, DC to AC Inverters and customisation is our business.

- 20 years of trading
- Comprehensive two year warranty on all manufactured products
- ISO 9001:2000 Certified
- Should we fail to meet or exceed your expectations in any way, we will attempt to resolve the matter to your complete satisfaction

**WHY CHOOSE
INNOVATIVE
ENERGIES?**

- Quality product
- Long life
- Dedicated support
- Peace of mind
- Reduced total cost of ownership



CT RANGE

All models available in 12V, 24V, 48V
(SR also available 30V & 36V)



SR RANGE



No-Break™ DC Uninterruptible Power Supply TECHNOLOGY

Innovative Energies proprietary **No-Break™ DC UPS** Technology represents a truly unique, comprehensive approach to providing uninterruptible and secure DC power when you need it. The system maximises the integrity of standby battery installations whilst optimising the life and availability of the back up batteries.

The **No-Break™ DC UPS** intelligent system provides a vastly improved solution over the traditional methods of float charger plus battery. The battery is accurately charged with independent current limit and you cannot overload the charger or overheat the battery.

The **No-Break™ DC UPS** highly efficient system is the ideal solution for:

- Systems which require no transition from mains to battery backup
- Applications having standing load with back up standby battery installed
- Cost effective management of your battery system investment
- Mission Critical systems from 100W to 750W and above

Critical factors in the longevity and capacity of (lead-acid) batteries

- Temperature compensation
- Regular check up
- Controlled charge current
- Deep discharge protection



Unique additional features of the **No-Break™ DC UPS** system

Battery Detection → Monitors integrity of battery circuit hourly (battery missing, open fuse/circuit breaker).

Battery Condition Test (option) → Indicative test of battery autonomy at predetermined intervals (automated battery condition check, ideal for remote sites).

Configurable Software

Adjustable Load:Charge Ratio

Rack Mount with optional Digital V/I Meter available



RACK MOUNT OPTION

The SR range has been manufactured and supplied for over 10 years and continues to be used in the following industries:

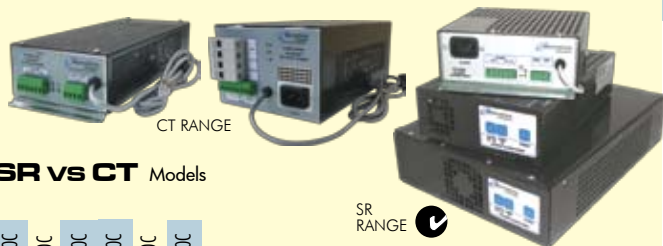
- Railways
- Telecommunications
- Scada
- Power generation plants
- Environmental-monitoring agencies
- Mission critical applications
- Switch gear
- Emergency services
- Emergency lighting
- Industrial automation
- Oil, Gas and Power
- Marine
- Building management systems
- Telemetry
- Security

No-Break™ DC Uninterruptible Power Supply Products and features

CT RANGE 100W and 600W +

Compliant with European standards

SR RANGE 100W 250W 500W 750W +



SR vs CT Models

| SR 750C | CT 600C | SR 500C | SR 250C | CT 100C | SR 100C | |
|---------|---|---------|---------|---------|---------|--|
| | | | | ● | ● | 100W Continuous |
| | | | ● | | | 250W Continuous |
| | | ● | | | | 500W Continuous |
| | ● | | | | | 600W Continuous |
| ● | | | | | | 750W Continuous |
| ● | ● | ● | ● | ● | ● | Higher Power available with parallel operation |
| ● | ● | ● | ● | ● | ● | N+1 Redundancy available with parallel operation |
| ● | ● | ● | ● | ● | ● | Alarm Relays (volt free contacts) |
| ● | ● | ● | ● | ● | ● | Battery System Fault Alarm (low <1.83V/cell) |
| ● | ● | ● | ● | ● | ● | *Battery System Fault Alarm (missing <2.04V/cell) |
| ● | ● | ● | ● | ● | ● | Power fail alarm (mains or psu) |
| ● | ● | ● | ● | | | Programmable Spare Relay (e.g. battery condition test) |
| ● | ● | ● | ● | ● | ● | Flexible voltage alarm parameters |
| ● | ● | ● | ● | ● | ● | Deep Discharge/low voltage Disconnect |
| ● | ● | ● | ● | ● | ● | LED Flash Code Indication (condition specific) |
| ● | ● | ● | ● | ● | ● | Microprocessor technology |
| ● | ● | ● | ● | ● | ● | Independent battery charge current limit |
| ● | ● | ● | ● | ● | ● | Battery over-current protection |
| ● | ● | ● | ● | ● | ● | Reverse polarity protection |
| ● | ● | ● | ● | ● | ● | Short circuit protection |
| | ● | | | ● | | Universal Mains Input |
| | ● | | | ● | | Power Factor Correction |
| | ● | | | ● | | CE Certification |
| ● | | ● | ● | | | PSU Standby Button |
| ● | ● | ● | ● | ● | ● | Temperature compensation |
| ● | ● | ● | ● | ● | ● | Wall Mountable (standard) |
| | ● | | ● | | | Multi Option Wall Mountable - Side (standard) |
| ● | ● | ● | ● | ● | ● | Security Wall Mount Cabinet (1x70Ah or 2x45Ah Batteries) |
| ● | ● | ● | ● | | | 19" Rack (option) |
| ● | ● | ● | ● | | | Add Volt/Amp Meter (rack-mount only option) |
| ● | ● | ● | ● | | | *Add Battery Condition Test (option) |
| | N/A | | | | | |
| ● | Available | | | | | |
| | | | | | | |
| * | Not Available when configured in parallel | | | | | |

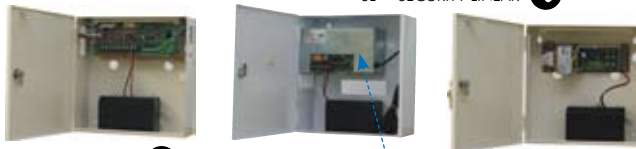
DC SECURITY PRODUCTS

Switch Mode Power Supplies (SMPS) are the current state of the art in high efficiency power supplies. Conventional series-regulated linear power supplies tend to be very inefficient in comparison. However, demand still exists due to the benefits of low noise and interference.

ACCESS CONTROL

All models available with or without cabinet.

SL = SECURITY LINEAR



SE = SECURITY SWITCH MODE

SE vs SL Models

Internal cover to meet open case SELV (safety extra low voltage) requirements. (Standard SL12/05, SL12/10)

| SN27/05 | SE 24/05 | SE 12/10 | SE 12/05 | SL 12/10 | SL 12/05 | SL 24/1.5 | SL 12/2.5 | |
|---------|--------------|----------|----------|----------|----------|-----------|-----------|---|
| | | | | | | | ● | 35W Continuous |
| | | | | | | | ● | 40W Continuous |
| | | | | | ● | | | 70W Continuous |
| | | | ● | | | | | 75W Continuous |
| | | | | ● | | | | 138W Continuous |
| ● | ● | ● | | | | | | 150W Continuous |
| ● | | | | | | | | 250W Continuous |
| | | | | ● | ● | ● | ● | Linear Power Supply |
| ● | ● | ● | ● | | | | | Switch Mode Power Supply |
| ● | ○ | ○ | ○ | ● | ● | ○ | ○ | Mains lead 3 pin plug (AUS/NZ)/internal cover |
| ● | ● | ● | ● | ● | ● | ○ | ○ | Alarm Relays (volt free contacts) |
| ● | ● | ● | ● | ● | ● | ○ | ○ | Battery System Fault Alarm (low <1.83V/cell) |
| ● | ● | ● | ● | ● | ● | ○ | ○ | Power fail alarm (mains or psu) |
| ● | ● | ● | ● | ● | ● | ● | ● | Tamper Switch (door open) |
| ● | ● | ● | ● | ● | ● | ● | ● | LED (on/off) |
| ● | ● | ● | ● | ● | ● | ● | ● | Independent battery charge current limit |
| ● | ● | ● | ● | ● | ● | ● | ● | Battery over-current protection |
| ● | ● | ● | ● | ● | ● | ● | ● | Reverse polarity protection |
| ● | ● | ● | ● | ● | ● | ● | ● | Short circuit protection |
| | ● | ● | ● | ☒ | ☒ | ☒ | ☒ | Load Dump Input (e.g. fire system override) |
| | ● | ● | ● | | | | | Universal Mains Input |
| ● | ● | ● | ● | ☒ | ☒ | ☒ | ☒ | Temperature voltage compensation (standard) |
| ● | ● | ● | ● | ☒ | ☒ | ☒ | ☒ | Deep Discharge/low voltage Disconnect |
| ● | ● | ● | ● | ● | ● | ● | ● | Separately fused battery output |
| | | | | ● | ● | ● | ● | 2 Separately fused load outputs |
| ● | | | | | | | | 3 Separately fused load outputs |
| | ● | ● | ● | | | | | 4 Separately fused load outputs |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | Add 8 Separately fused outputs (optional) |
| ● | ● | ● | ● | ● | ● | ● | ● | Security wall mount cabinet |
| ● | ● | ● | ● | ● | ● | ● | ● | Lockable front door (cam lock) |
| | N/A | | | | | | | |
| ● | Available | | | | | | | |
| ☒ | Customisable | | | | | | | |
| ○ | Optional | | | | | | | |

Power Level

Features Available

AC SECURITY CCTV



(this is not a No-Break™ DC UPS)

| | | | |
|-----------|----------------------------|---------------|---------------------------|
| Products | IE24/08 ACRM, IE24/16 ACRM | Output | 24VAC 8A/200VA, 16A/400VA |
| Enclosure | 2U x 19" rack mount | Output fusing | 8, 16 fused outputs |
| Input | 230/240V AC, 50Hz | Output OK | 8, 16 front panel LED's |



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