



STARKSTROM

Isolated Power Supplies

The safety behind the socket



Excellence & Innovation in Medical Engineering



British Company



Isolated Power Supplies



- Isolated Power Supplies (IPS) provide safe electrical power for patients and clinical staff in the high care areas of a hospital. It also alerts the staff to surgical, monitoring and other equipment faults and provides continuity of supply.
- IPS systems consist of an isolation transformer, monitoring systems and outgoing distribution and remote alarm.
- Standards applicable to IPS installations include HTM06-01, HD 60364-7-710, BS 7671:2008 (2011) Inc Corrigendum to section 710 and Amendment 2:2013.
- IPS systems are used in group 2 areas (also called clinical risk category 4 and 5) including operating theatres, ITU/HDU, neo-natal, haemodialysis and imaging rooms.
- IPS systems range from 3kVA – 10kVA. Typically an operating theatre will require an 8kVA unit and high care beds will each require 2kVA. Multiple beds can be served from a single IPS. Where the scheme permits, interleaving of final circuits to socket outlets should be considered.
- The standards require use of Earth Reference Bars and clean earth blue sockets to assist in ensuring the required safety levels are met.



SATS – Starkstrom Automatic Transfer Switch

Our automatic transfer switches have been designed to increase resilience wherever there is a need for higher availability from the power supply.

As an enhancement to IPS, the recently developed SATS range comprises two changeover solutions. Each solution is designed to meet your bespoke performance and budget requirements:

- Standard – suitable for most applications, a balance between simplicity and functionality
- Advanced – the transfer device is motorised. Both monitoring and control are highly flexible and intelligent



TCP/IP Web Server



Every Starkstrom IPS system is supplied as standard with:

- Remote viewing system status
- Email alarm notification
- Ability to modify alarm and circuit names

Starkstrom IPS:

- Are provided as single units, for full compliance with HTM06-01's requirement for all IPS to be electrically and electronically independent
- Includes as standard the capability for the units to be remotely monitored and configured via the hospital intranet
- Are delivered fully assembled and tested thus ensuring high quality and minimising onsite manual handling
- Have the smallest footprint in the industry, thus minimising plant space required to accommodate the equipment
- Have the lowest heat output in the industry, thus saving direct energy consumption and minimising the cooling required where the equipment is in an enclosed space
- Are manufactured in the UK
- Are maintained by Starkstrom

Other options can include:

- Energy Meters
- In-Rush Limiters



