



STARKSTROM

technical guide for
designers and specifiers
of medical facilities

Cable Type
Belden 9841

100% ≥

$$\sqrt{\frac{(load_1^2 \times time_1) + (load_2^2 \times time_2)}{8 \text{ hours}}}$$



Function
Data

Figure 4 "10kVA Transformer"



Topology	400
Daisy Chain	350
Radial	300

Radial	Watts	200
To Hub		150

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- Isolated Power Supplies
- Uninterruptible Power Supplies
- Earthing (MEIGaN)
- Theatre Control Panels / Operating Room Control Panels
- Clinical Lighting and Battery Back-up Systems
- Clinical Pendants



Introduction

Since its introduction several years ago, the “Starkstrom Specifiers Guide for Medical Installations” has assisted many consulting engineers, design engineers and healthcare facilities managers in understanding and interpreting the specific standards and guidelines in place.

A good appreciation of electrical safety in medical locations is generally now observed. To assist with the evolved standards, this updated document now aims to provide the reader with more detailed and practical information on the process of designing a fully compliant installation.

Where applicable, we have tried to provide sample specifications that may assist the reader if they need to generate a project specification for a given product.

All the information is available in an electronic format. If you require help, assistance or further clarification on any part of this document we will be happy to help. Please find our contact details below:

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This document is a guideline only and should not be used as the sole reference when designing your healthcare facility. Whilst every effort has been made to produce an accurate document, Starkstrom has written the Specifiers Guide in good faith and cannot be held liable for any inconsistencies, errors or omissions.



Company Background

Starkstrom Ltd is one of the Starkstrom Group of companies, whose corporate base is in Middlesex, UK. Starkstrom are an engineering and service company and have specialised since 1995 in the design, manufacture and servicing of isolated power systems for the medical sector.

During those years, we have developed a range of associated products, including our market leading touch screen Theatre Control Panel (eTCP), MEIGaN earthing accessories, clinical audio visual systems and a wide range of medical service pendants.

In 2004 we were awarded the exclusive UK distribution of KLS Martin operating lights, which now include the award winning MarLED range.

Starkstrom is a privately owned British company and has a current turnover of over £8 million and employs over 55 people through the UK.

There are now over 2500 Starkstrom installations throughout the UK and overseas.



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