

## AVK|SEG (UK) Ltd

### The Company

AVK|SEG have been involved in power system design and manufacture since 1989 and are represented worldwide. The group offer a comprehensive range of services related to Power system projects including:

- Site surveys & load analysis to ensure correct system rating / design
- Project planning including system design, specification & co-ordination of peripheral systems i.e. switchgear & generators
- Specialist off loading, delivery, crantage, road closures & final positioning
- Complete electrical & mechanical installation
- On site commissioning, client handover & operator training
- Ongoing customer support incl. maintenance contracts & spare parts
- Fast response - 365 days a year, 24 hour emergency call-out cover
- European Wide Service Cover for UPS & Gensets
- Complete turnkey packages including all related services & equipment
- A comprehensive guide to all Products & Services offered by AVK|SEG (UK) LTD, including Technical Manuals can be found on our "Power Systems Catalogue" CD-ROM. To request your free copy please contact us on 01628 503900

### Uninterruptible Power Supplies

AVK|SEG (UK) Ltd provide state of the art UPS systems that achieve optimum system reliability and integrity. We offer full Turnkey Power Systems including UPS, Generators and Switchgear plus all the associated mechanical and electrical installation of power schemes.

Modern IT systems such as host computers, file servers, workstations, computing centres, and their integration into complex networks have become indispensable for the competitiveness of manufacturing / service industries.

However, a smooth and uninterrupted supply of electricity is an essential pre-condition for the trouble free performance of such systems. Malfunctions in the mains supply such as power failure, voltage fluctuation or short power interruptions lasting less than a millisecond, may cause loss of important data, program errors or even hardware damage, thereby posing a serious threat to business processes.

The AVK UPS series not only gives online equipment round the clock protection, but also offers a technically advanced and economic solution for the power supply requirements of modern data-processing equipment.

The AVK UPS Series offers true double-conversion on-line technology, high frequency conversion, digital control input, power factor 0.98, low noise level, high efficiency and emergency circuit (EPO) for immediate shutdown. The IGBT rectifiers also give us 0.98 power factor which is a major improvement, less than 5% THD and reduced noise.

All these are characteristics allowing us to confirm that AVK UPS Series systems are an expert solution for any type of power supply requirement you may have.

All of the AVK UPS ranges (Infinity 10-40kVA, Thetys 60-160kVA, Hyperion 200-300kVA & Titan 400-800kVA) have the following:

#### Key Features:

- On line double conversion technology
- Pure sine wave
- IGBT power modules
- High Efficiency
- Remote Communication
- Options: SNMP adapter
- Input Power Factor 0.98
- Microprocessor controlled
- Low acoustic noise level
- Auto diagnostic system
- Remote communication

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### Technical Assistance & Seminars

Further information and full product literature, together with advice on system selection can be obtained by contacting our sales and technical department. AVK|SEG (UK) Ltd also offer a Technical Seminar which focuses on a typical telecomms switch site and discusses the application of Switchgear, UPS Systems, Diesel Generators and Batteries, highlighting the obstacles and technical considerations that can be encountered and overcome, or download details from our website at [www.avk-seg.co.uk](http://www.avk-seg.co.uk). The seminars can be based at either our Maidenhead office or at your offices.

### Client Base

AVK|SEG (UK) LTD have an extensive UK client base for UPS and Power Projects including full turnkey packages with UPS, diesel generators, switchgear and installation. Our structure enables us to react quickly to customer requirements providing expertise in the design, planning and implementation of power systems projects in all major sectors including:

- Banking & Finance
- Public Sector
- Energy
- Transport
- Data Centres
- Telecommunications
- Commercial & Retail
- Industrial & Petrochemical
- Internet
- Construction

