

AEG POWER SOLUTIONS - SOLUTIONS FOR ALL YOUR AC & DC POWER NEEDS

Consolidating the portfolios previously sold under the Saft Power Systems and AEG brands, AEG Power Solutions helps customers worldwide meet their power challenges with innovative, world-class power solutions. Backed by more than a century of innovation and customer service, AEG Power Solutions offers a full-range of reliable, cost effective solutions, from power conversion modules and high reliability UPS systems to industrial chargers and DC systems.

- Comprehensive range of products and solutions for every type of business
- Unsurpassed know-how and technical expertise
- Premium energy solutions
- Customized products
- Personalized worldwide service & support

AEG Power Solutions Fast Facts

- Sales: € 360 Million (in 2008)
- Employees: 1600 worldwide
- A full commitment to engineering excellence:
- 250 engineers & project managers
- R&D & application engineering: 8% of sales
- Global customer support & service
- 20 AEG Power Solutions service centres
- AEG-trained service providers in 100 countries

Solutions designed to meet the most demanding customer needs

Industry & Transport:

- Oil & gas
- Heavy industry
- Utilities
- Mass transit & infrastructure
- General industry
- On-board and track-side railway
- Power controllers for hi-tech industry (glass, silicon...)

Information Technology

- Data centres
- e-trading centres
- IP backbone
- ISP
- Co-location centres

New energy industries

- Solar
- Wind
- Electric vehicles

More than a Century of Engineering Excellence

Since the creation of AEG in 1887, we have established a continuous track record for serving customers with rugged, reliable systems and solutions. From the introduction of the world's first single-phase and three-phase thyristor AC converters during the 1960s through the launch of the revolutionary Protect family of modular, redundant and scalable rectifier systems for industrial applications in 2008, AEG Power Solutions has demonstrated its ability to establish the industry benchmark for power solutions engineering.



Power Solutions

A Wide Range of Innovative Products and Solutions

- UPS (0.3 kVA – 1MVA)
A complete portfolio offering industry-leading reliability (99.9999 % availability) and efficiency (94%)
- Industrial Chargers & DC (120 W – 110kW)
Robust DC power solutions for the oil & gas industry, utilities and transport infrastructures
- Power Controllers
The solution of choice anywhere energy needs to be switched or regulated in industrial applications
- High Current Systems
Reliable DC power supplies for surface coating and electrolysis installations
- Solar Inverters
Grid-connected centralized, off-grid industrial & off-grid centralized systems as well as turnkey project management expertise
- Customized Railway Power Supplies
Benefit from our expertise in the design, development and production of on-board switch mode power supply systems

Key AEG Customers





Power Solutions

Case Study: Gbaran Ubie – Shell / Daewoo E&C / Fluor

In 2006 AEG Power solutions embarked on a project with Fluor for the Supply of DC and AC UPS to Daewoo E&C for the use at the Gbaran Ubie Shell facility. The UK office engineered and supplied the 20 AC UPS systems along with NiCd batteries. Part of the requirements we to fully test the systems before shipment, so we arranged for complete system acceptance test at Saft Batteries in Sweden to show that these systems met all of the technical requirements and supported the load for the required autonomy (many of the systems had 8 hour autonomy). Once the equipment had been signed off, the equipment remained in storage at Saft batteries until such time as it was ready to ship to one of the two system integrators. While the equipment was in storage the batteries were charged and maintained to ensure they were kept in optimum condition. The equipment was finally released by Daewoo in late 2008.

Company History

November 2008 - As part of a broad rebranding initiative, Saft Power Systems becomes AEG Power Solutions. Signalling the successful completion of a three-year consolidation and streamlining program, the company unites its range of DC telecom systems and power supplies under the Harmer & Simmons brand.

June 2008 - Saft Power Systems introduces two new members of the Protect family of central solar inverters – Protect PV 33 and PV 25.

June 2008 - Saft Power Systems introduces the Protect MIP – Modular, redundant and scalable rectifier system for all industrial applications.

December 2007 - Saft Power Systems introduces the Protect RCS – Reliable Rectifiers, Chargers and DC Systems for all industrial applications, building on the success of its popular SPR/TPR range.

December 2006 - Opening of Harmer & Simmons in India.

November 2006 - Saft Power Systems expands its range of temperature-hardened, embedded power solutions with the SM2000 rectifier and MP60-Series system sub-racks.

June 2006 - Inauguration of first Chinese manufacturing facility, in Beijing.

July 2005 - Globalizing its strategy and structure, Saft Power Systems restructures into worldwide business units to offer a global range of solutions and service.

January 2005 - SAFT Power Systems group, the power systems division of Alcatel, is acquired by Ripplewood Holdings, a respected private equity firm active in the U.S., Asia, Europe and the Middle East. Bruce Brock and the members of the Brock Group are named as the senior management team. The Saft Power Systems group consists of units of Saft Power Systems, AEG Power Supply Systems and Harmer & Simmons.

2002 - Merger of SAFT Power Systems with Alcatel Converters creates a world leader in power conversion technologies and complete power solutions.

1998 - Acquisition of AEG SVS Power Supply Systems GmbH (Germany). SAFT Power Systems reinforces its UPS systems product portfolio and position in Germany and Eastern Europe through the acquisition of the AEG power supply division.

1995 - Acquisition of Harmer + Simmons Ltd (United Kingdom). The acquisition of one of Britain's oldest and most respected telecom power supply specialists propels SAFT Power Systems into a world leader in telecom power systems and switchmode technology.

1995 - AEG PSS introduces first UPS in the world with 100% digital control: Protect 3.

1993 - Opening of Malaysian manufacturing facility in Penang.

1992 - Creation of Alcatel Converters: Alcatel creates a technology leader in custom DC/DC and AC/DC converters by consolidating its power conversion activities.

1992 - Acquisition of NIFE Group (Sweden). SAFT Power Systems strengthens its international presence and widens its product portfolio.



Power Solutions

- 1985** - AEG introduces first Profitec S rectifier with IGBT transistors (single and three phase).
- 1981** - Acquisition of RSI (France): SAFT Power Systems expands its telecom power systems activity.
- 1972** - Development of first 5/25 switching power supply by AEG PSS.
- 1969** - Development of power controllers by AEG PSS.
- 1965** - Development of three-phase thyristor AC converter by AEG PSS.
- 1961** - Development of single-phase thyristor AC converter by AEG Power Supply Systems.
- 1947** - Establishment of SAFT Power Systems. Leveraging its proven expertise in battery technology, SAFT expands its product portfolio with a range of innovative battery chargers and power systems.
- 1945** - Creation of AEG plant in Warstein-Belecke, Germany with 25 employees.
- 1927** - Harmer & Simmons establishes in the UK. Initially manufacturing sound amplifiers, the company soon becomes a telecom power supply expert.
- 1917** - Establishment of Saft as a battery manufacturer in France.
- 1887** - Creation of AEG as the German equivalent of General Electric.