POWERING TECHNOLOGY
Reliably powering your business. Solving your power needs.

DC POWER SYSTEMS

UNIPower
Maintaining the System

Maintenance of UNPOWERS power systems is simple and straightforward. Most technical operations will find these systems extremely user-friendly, as they can be monitored either on-site or remotely over a TCP/IP LAN with familiar browser-based menu features.

- Remote Diagnostics
- Remote Monitoring with SNMP
- Familiar Browser Interface
- Short Mean-Time-To-Replace
- Battery Monitoring
  - Monitor/Level
  - Equalizer/over Martian
  - Load Test/over Internet

System Management

RoChe™ Software is a Windows-based GUI for real-time network power system monitoring and control of standby applications. RoChe™ Software features are include:

- Interface that simplifies access to system status, alarm displays, and battery parameters.

The UNPOWERS AOC Advanced controller monitors all system parameters including DC voltage, rectifier current, rectifier temperature, system capacity, battery parameters, and circuit breaker status.

Alarm and warning notifications are indicated by front panel LEDs, and through numerous alarm contacts that allow remote signaling.

Local monitoring of alarms is provided through a USB or RS232 port using the PC-based RoChe™ software. The AOC Advanced also has an Ethernet port allowing control over a TCP/IP network using RoChe™, SNMP or a web-based GUI.
Aspro TU

Aspro TU modular DC rack mount systems offer a range of solutions for data center applications including broadcast, video, cable head ends, multimedia (SSD, data) storage, streaming, SIP, VoIP and 4K.

The system houses two Aspro rectifiers, including the highly-efficient and reliable 250-450kW EP2G4-40, and a highly versatile transforma, complete with the power supply requirements of today's network. System management is accomplished via a plug-in network card, which provides remote access and monitoring functionality with an Ethernet, web server, and SNMP interface.

Highly flexible distribution options including MCBs or IAT fuse offer the optimum I/O shelf solution for space critical applications. Individual load distribution within compact environments is made simple and inclusive, using deep客户需求 distribution shunts, resulting in lower cost and more efficient systems.

Aspro Rectifiers

Aspro rectifiers are a family of single phase, hot pluggable, fan cooled rectifiers. Available in 250kW (EP2G4-250) and 310kW (EP2G4-310) high power density of Uninterrupted power requirements for AS shelf solution for space critical applications.

These rectifiers offer excellent efficiency, with the EP2G4-40 delivering over 96% under typical operating temperature, and a data center power usage. Together with advanced technology, these enable and effective and reliable solution.

The typical applications for these rectifiers are behind the IT load distribution environments, such as the broadcast, access, cable head ends, microgrids (BTS, Data) storage, streaming, SIP, VoIP and 4K applications.

Guardian Rectifiers

The Guardian Rectifier family, comprising 6 modules, provide optimal over- and under-voltage options. The EP600-2006 (206kW) and the EP600-2506 (256kW) are designed to meet the needs of today's data centers, featuring advanced monitoring and control capabilities, ensuring efficient and reliable operation.

Guardian Shelves

Guardian Shelf solutions are designed to provide power protection for server and power density with up to 1000 or 1200 VA in all and 275VA in 230V single phase units.

Guardian Shelf solutions are available in 900W, 1200W or dual output of combined 48VDC and 24VDC versions and can achieve a shelf line efficiency higher than 95%.
Guardian Access

Guardian Access cabinet and rack mount systems are designed to meet mission-critical applications with very high reliability and flexibility for future expansion.

Cabinet configurations range from 25kVA (88kW) to 400kVA (500kW) and solutions can combine rectifiers together with DC distribution, controls, and battery backup in one compact frame.

Options include battery and load disconnects, AC surge protection, and various DC and AC distributions. With the additional capability of including 48VDC (DCDC) converter modules, Guardian Access enables network stations, broadband nodes, and cell sites.

Guardian Central

Guardian Central is designed to meet critical telecom applications with very high reliability and flexibility for future expansion.

With a compact power and distribution design, the system provides reliability with a variety of load distribution options, ensuring high and circuit breaker solutions.

The system delivers up to 120kVA (480kW) power per cabinet and can be expanded to provide single-phase 347V/208V-rated power. Guardian Central is ideal for network centers and control offices applications.

Guardian Hybrid

The modular design allows for connections to the Guardian product line for optimal reliability and efficiency as well as energy management for grid-tied and off-grid solutions. The modular solution offers a 95% efficiency in addition to the option of adding hybrid building blocks to existing Guardian installations.

Enables bidirectional converter for seamless hybrid operation. The Guardian Hybrid scale connects the range into the renewable energy system, powering loads with solar and wind power modules from 200kW to 500kW (60kW per r.v.).

The Guardian Hybrid core components are accompanied by a range of accessories and, along with the Guardian rack and DCCS cabinets, offer a complete neutral-network solution.

Outdoor Solutions

Outdoor solutions offer the maximum impact solution for deployment in telecom environments.

The PDCS series is designed to house power and telecom equipment and includes a range of flexible and cost-effective solutions, significantly reducing the complexity and cost of site installation and ownership.
Inverters & Inverter Systems

Sageon DC systems - 48V & 24V

Accessories

To complement the systems, UNIPOWER offers a comprehensive range of relay racks, latching racks, keyboard panels, terminal & fuse panels, general termination panels and telephones.