

10-715

SAGEON™ POWER MODULE

For telecommunications applications



Sageon™ is intelligent power. Sageon, the latest development in power systems, is simple to operate yet genius in delivering enhanced, built-in intelligence. Sageon Power Systems minimize manual adjustments and measurements, while providing you with the information you need to manage power.

The Sageon Power Module delivers the unmatched capability of a full size Sageon Power System in a compact and cost effective solution. Designed to deliver up to 200 Amps of power for a -48 volt system or 400 Amps of power in a +24 volt system, in a 5RU height (8.72 in [221 mm]), the Power Module provides the flexibility to put power where it is needed.

The Power Module consist of a power frame that includes the Sageon Controller, mechanical mounting for up to four Sageon rectifiers, AC input breakers and all inter-system cabling. Installation cost and time are minimized because there is only one component to install. To complete your system simply connect AC and DC and install between one and four Sageon rectifiers and you are ready to go.

In addition to the basic control functions, the Power Module supports all of the advanced functionality available in a Sageon Power System including; remote monitor and control, battery testing, individual cell monitoring and programmable battery recharge current.

FEATURES AND BENEFITS

High Density:

Compact design with rectifiers at 9 watts per cubic inch, minimizing space required for installation

Remote Access:

Remotely monitor and control the complete power system, reducing trips to site and increasing uptime

Battery Testing:

Automatic or on-demand battery testing, insures batteries are functioning properly

Programmable Battery Recharge Current:

Programmable recharge current limit eliminates overcharging of standby batteries, extending their useful service life

Wide Input Range:

Operating voltage range of 90 to 270 volts AC increases flexibility and insures unit functions under diverse conditions

APPLICATIONS

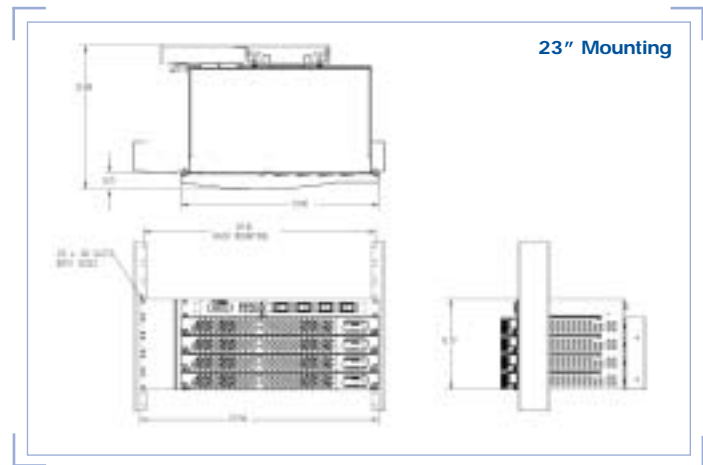
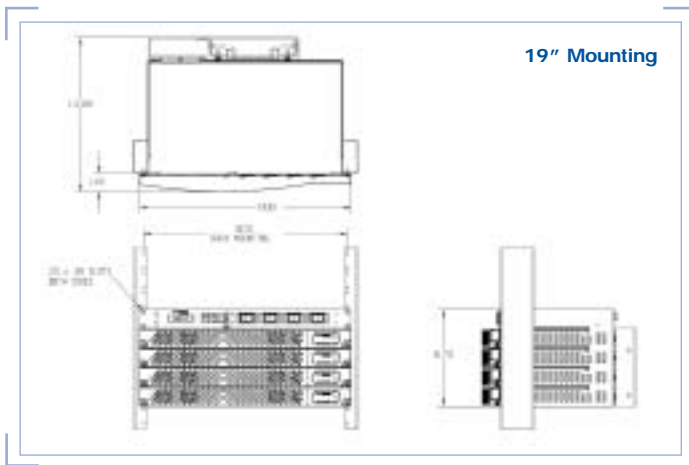
- Bulk Power
- System Expansion
- Outside Plant
- Controlled Environment Vaults
- Wireless Sites
- Microwave Sites

ENVIRONMENTAL SPECIFICATIONS

Normal Operating Temperature	-15F (-25C) to 122F (50C)
Extended Operating Temperature	-15F (-25C) to 158F (70C)
Storage Temperature	-40F (-40C) to 158F (70C)
Humidity	0 to 95% non-condensing
Altitude	10,000 ft (3,000 m)
Heat Dissipation	6,000 BTU/Hr. maximum at 200A, 54VDC
Cooling	Forced air, front to back, auto-regulating
Acoustic Noise	< 45db (80% load, 25degC); < 55db (100% load, 50degC) (A weighted)

PHYSICAL SPECIFICATIONS

	19 in (483 mm) Mounting	23 in (584 mm) Mounting
Height	5RU – 8.72 in (221 mm)	5RU – 8.72 in (221 mm)
Width	19.00 in (483 mm)	22.96 in (583 mm)
Depth	13.88 in (353 mm)	13.88 in (353 mm)
Weight	68 lb (31 kg)	68 lb (31 kg)



POWERCOM DIVISION

1400 Union Meeting Road
P.O. Box 3053 • Blue Bell, PA 19422-0858
(215) 619-2700 • Fax (215) 619-7899 • (800) 543-8630
powercom@cdtechno.com
www.cdtechno.com

Any data, descriptions or specifications presented herein are subject to revision by C&D Technologies, Inc. without notice. While such information is believed to be accurate as indicated herein, C&D Technologies, Inc. makes no warranty and hereby disclaims all warranties, express or implied, with regard to the accuracy or completeness of such information. Further, because the product(s) featured herein may be used under conditions beyond its control, C&D Technologies, Inc. hereby disclaims all warranties, either express or implied, concerning the fitness or suitability of such product(s) for any particular use or in any specific application or arising from any course of dealing or usage of trade. The user is solely responsible for determining the suitability of the product(s) featured herein for user's intended purpose and in user's specific application.