

MRE1200 SERIES

1200W TELECOM RECTIFIERS



Features

- 90% efficiency including series output diode
- Power Factor Corrected to EN61000-3-2
- Rectifier compatible with 12" and ETSI 300mm cabinets
- Comprehensive alarm signals packages
- -40°C to 55°C operation
- CE marked to LVD and international safety approvals

The hot-pluggable 54V MRE1200 rectifier delivers up to 1200 watts of output power in a 55° C ambient temperature for applications with system provided forced air flow. Thermal management automatically reduces the output current capability if operating conditions are inadequate.

Input current harmonic distortion is minimized by the rectifier's active input power factor correction. The unit's small size makes it an ideal building block to configure complete power systems within a single 6U shelf. The unit's depth is compatible with 12" and ETSI 11in. (300mm) cabinets.

Seven MRE1200 rectifiers can be inserted into the 6U high 23" *powerdeck*® MS12B chassis to provide 150A of current, whereas the 19" *powerdeck*® MS12A chassis will hold up to 6 rectifiers providing 130A of current.

Applications

- Network datacom
- N+1 redundant power systems
- Distributed power systems
- PABX
- Mobile base stations
- Industrial applications
- Cable TV

Models available:

- 1MRE12H54A - basic signals package
- 1MRE12H54B - enhanced signals package
- 1MRE12H54ND - enhanced signals and presets

An Advance International Group Company

Advance
POWER

www.advancepower.com

MRE1200 SERIES

1200W TELECOM RECTIFIERS

Specifications

Input voltage

176-264Vac, 50/60Hz

Input current

6.0A nominal

Power factor

Typically 0.99

Efficiency

90% including series output diode

Output voltage

54.9V nominal, 58V maximum
Consult Advance for other voltages

Output current

22A at 54.9V up to 55°C with
1m/s of airflow

Output noise

25mV rms 10Hz to 100MHz
<32dBnc, <1mV rms psophometric

Signals

Flexible signals and LED packages
available including:

Output healthy	Input healthy
Overvoltage	Current limit
Overtemperature	Thermal control
Current share	Marginate down
Postmate enable	Current monitor
Remote voltage trim	10V aux power
Float/boost selection	Remote sense

EMC

EN50081-1 (including EN55022-B
and EN61000-3-2 conducted)
EN50082, FCC 15 J-B

Temperature

-40°C to +55°C

External Dimensions

10.37 x 2.66 x 9.65in.
(263.5 x 67.5 x 245mm)

Front Panel Dimensions

2.83 x 10.47in. (72 x 266mm)

Mass

7.9lb. (3.6kg)
Compatible with 6U subracks

Cooling

Cooled by externally supplied vertical
airflow of >1m/s. Output automatically
reduces if forced airflow is not present.

Safety approvals

CE marked to Low Voltage Directive
EN60950, UL 1950, C22.2 #950

Other Products

Power Supplies

- AC-DC multi output
- AC-DC single output
- DC-DC converters

Telecommunications Power

- Inverters
- Rectifiers
- Sub-systems
- Complete systems

Custom Capabilities

- Complete power systems
- Product development
- Accessories

USA

Advance Power, Inc.
Phone: 214 652 4040
Fax: 214 342 5028
E-mail: sales.us
@advancepower.com

United Kingdom

Advance Power, Ltd.
Modular Power Products
Phone: 01423 320000
Fax: 01423 320033

Systems Integration

Phone: 01279 655155
Fax: 01279 655322
E-mail: sales
@advancepower.com

Germany

**Advance Power
Electronic GmbH**
Phone: 06106 7080 30
Fax: 06106 7080 40
E-mail: sales.de
@advancepower.com

Italy

Advance Italia SRL
Phone: 039 990 7612
Fax: 039 599 213
E-mail: sales.it
@advancepower.com

France

Advance France
Phone: 01 30 25 06 00
Fax: 01 34 10 68 16
E-mail: sales.fr
@advancepower.com

Hungary

**Advance Power
Elektronikai KFT**
Phone: 1 220 9401
Fax: 1 251 5520
E-mail: sales.hu
@advancepower.com

China

Advance Power Shanghai
Phone: 021 644 36919
Fax: 021 644 30780
E-mail: sales.cn
@advancepower.com

Warranty

Advance Power's MRE1200 series 1200W telecom rectifiers are under warranty against faulty manufacture and faulty components for a period of two years from the date of delivery. Please refer to conditions of sale for full details.

We reserve the right to amend specifications without prior notification.

An Advance International Group Company

Printed in U.S.A.

Advance
POWER

www.advancepower.com

AHA 08 99

DP2UK1US1P