

MRF1700 SERIES

1700W TELECOM RECTIFIERS



Features

- 90% efficiency including series output diode
- Power Factor Corrected to EN61000-3-2
- Variable speed fan cooling
- Rectifier compatible with 12" and ETSI 300mm cabinets
- Comprehensive alarm signals packages
- -40°C to 45°C operation
- CE marked to LVD and international safety approvals

The fan cooled hot-pluggable MRF1700 delivers 1700 watts of output power at up to 45°C.

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 in only 3U of rack height. The unit's depth is compatible with 12" and ETSI 11in. (300mm) cabinets.

Four MRF1700 rectifiers can be inserted into a 3U high 23" *powerdeck*[®] MS14B chassis to provide 120A of current, whereas the 19" *powerdeck*[®] MS14A chassis will hold three rectifiers providing 90A of current.

Applications

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

Models available:

MRF17H54A - basic signals package
MRF17H54B - enhanced signals package
MRF17H54D - enhanced signals and presets

Advance
POWER

www.advancepower.com

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Specifications

Input voltage

176-264Vac AC, 50/60Hz

Input current

8.0A nominal

Power factor

Typically 0.99

Efficiency

90% including series output diode

Output voltage

54.5V nominal, 58V maximum
Consult Advance for other voltages

Output current

30A at 54.5V up to 45°C

Output noise

25mV rms 10Hz to 100MHz
29dBrc, 0.7mV rms psophometric

Signals

Flexible signals and LED packages available including:

Output healthy	Input healthy
Overvoltage	Current limit
Overtemperature	Thermal control
Fan fail	Standby
Current share	Marginate down
Postmate enable	Current monitor
Remote voltage trim	12V 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 +45°C

Size

5.0 (h) x 4.8 (w) 10.5in. (d)
127 (h) x 122 (w) x 267mm (d)
Compatible 3U subracks

Cooling

Cooled by internal fan with airflow from front to back. Fan speed is temperature and load dependent.

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

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Warranty

Advance Power's MRF1700 series 1700W 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.

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