

# MRF1400 SERIES

## 1400W TELECOM RECTIFIERS



### Features

- 90% efficiency including series output diode
- Power Factor Corrected to EN61000-3-2
- Variable speed fan cooling
- Optional dust filter
- Rectifier compatible with 12" and ETSI 300mm cabinets
- Comprehensive alarm signals packages
- -40°C to 65°C operation
- CE marked to LVD and international safety approvals

**T**he fan cooled hot-pluggable MRF1400 delivers 1400 watts of output power at up to 65°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 MRF1400 rectifiers can be inserted into a 3U high 23" *powerdeck*<sup>®</sup> MS14B chassis to provide 100A of current, whereas the 19" *powerdeck*<sup>®</sup> MS14A chassis will hold three rectifiers providing 75A of current.

Versions are available offering higher power at reduced temperature and lower power for 110Vac input operation. Consult Advance for further details.

### Applications

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

Models available:

- MRF14H54A - basic signals package
- MRF14H54B - enhanced signals package
- MRF14H54D - enhanced signals and presets

An Advance International Group Company

**Advance**  
POWER

[www.advancepower.com](http://www.advancepower.com)

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## Specifications

### Input voltage

176-264Vac, 50/60Hz

### Input current

6.75A 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

25A at 54.5V up to 65°C

### Output noise

25mV rms 10Hz to 100MHz  
29dBnc, 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 +65°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 MRF1400 series 1400W 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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