C~CAN

COMMUNICATION Rectifiers
Fan Cooled [monolithic]

The HFR-HF series are compact highly reliable rectifiers designed for today's communication applications.

Features

o **Compact** - only 2 RU high.

o **No wasted rack space** - Plug and Play modularity without mounting shelf.

o **Ease of maintenance** - AC and DC connections are plug-in.

o **Flexibility** - parallels with all types of units.

o **Low output noise** - Less than 20 dBrnc without battery.

Related Products

HFR - HF SERIES 48VDC

Specifications

MODEL CAPACITIES:
50A and 100A outputs.
PROTECTION:
Input and output circuit breakers.
Input transient suppression.
CONTROLS:
Keypad menu driven set-up of all critical functions.
METERING & STATUS:
Output metering and unit status on four-line twenty-one character graphical display. Optional multi-lingual support available.
REMOTE CONTROL & MONITORING:
Status monitoring and control of rectifier functions using advanced C-Term software.
WARRANTY:
Comprehensive 24 month.

Connection Detail

Rear view of HFR rectifier.

POWER PLANTS:
C-Can Power Systems Inc. manufactures a complete range of telecommunication power systems and accessories including rectifiers, DC/DC converters, advanced monitoring / controls and battery systems.

C~CAN Technical Data

Model		
COMMUNICATION *Rectifiers* *Fan Cooled [monolithic]*	**HFR48/50HF-APF**	**HFR48/100HF**
Input		
Voltage:	185-276VAC	185-276VAC
Phase:	Single	Single
Frequency:	47-63Hz	47-63Hz
Power Factor:	0.99	0.80
Current:	12 Amps	36 Amps
Output		
Voltage:	47-61V	47-61V
Current:	50 Amps	100 Amps
Power:	2800W	5600 Watts
Efficiency:	>90%	>90%
Regulation -Static:	+/-0.5%	+/-0.5%
Regulation -100% load:	2%	2%
Response time:	<1mS	<1mS
Voiceband noise weighted:	<0.5mV	<0.5mV
Wideband noise:	<10mV	<10mV
Physical		
Rack Units:	2RU	2RU
Dimensions (WxDxH):	17"x19.7"x3.5"	21"x24.9"x3.5"
Weight:	20.5 lbs.	38.6 lbs.
Temp. - Operating:	0-50°C	0-50°C
Temp. - Storage:	-20 to +80°C	-20 to +80°C
Ventilation:	Fan Cooled	Fan Cooled
Rectifier Designation:	Monolithic	Monolithic
Rectifier Shelf:	Not Required	Not Required
Connections		
Input:	Amp Twistlock with 6 ft. cable	Terminal Block
Output:	Plug in Power Pole with 6 ft. cable	Plug in Power Pole with 6 ft. cable

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