

C-CAN

INDUSTRIAL Power Systems **DC/DC Converters**



HFR^{II}24/50M - 125 or 250VDC to +24VDC
HFR^{II}48/30M - 125 or 250VDC to -48VDC
HFR^{II}125/12M -125 to 125VDC

The HFR^{II} series is a compact highly reliable DC/DC converter designed for dual voltage DC systems.

Features

- **Compact** - only 2 RU high, 19 or 23" rack mount.
- **Versatile** – Output can be configured as a power supply or battery charger.
- **Ease of maintenance** – Input and output connections are plug-in.
- **Flexibility** - parallels for capacity and/or redundancy.
- **Low output noise** - Less than 20 dBnc without battery.

Typical Applications

- **POWER PLANTS**
- **FIBRE TRANSMISSIONS**
- **MICROWAVE**
- **COMMUNICATION CABINETS**

Connection Detail



Rear view of HFR DC/DC converters..

Related Products



Industrial power systems:

C-Can Power Systems Inc. manufactures a complete range of industrial power systems and accessories including rectifiers, battery chargers and battery systems.

Model			
INDUSTRIAL <small>Power Systems</small> DC/DC Converters <small>[125VDC - 24VDC]</small>	HFR[®]24/50M-125 HFR[®]48/30M-125	HFR[®]24/50M-250 HFR[®]48/30M-250	HFR[®]125/12M-125
Input			
Voltage:	100-150VDC	200-285VDC	100-150VDC
Current:	14A max	14A max	14A max
Protection:	Circuit Breaker	Circuit Breaker	Circuit Breaker
Connections:	Amp Twistlock	Amp Twistlock	Amp Twistlock
Output			
Voltage:	24VDC / 48VDC	24VDC / 48VDC	125VDC
Current:	40A / 25A	50A / 30A	12.5 Amps
Power:	960W / 1200W	1200W / 1440W	1562 Watts
Protection:	Circuit Breaker	Circuit Breaker	Circuit Breaker
Regulation -Static:	+/-0.5%	+/-0.5%	+/-0.5%
Regulation -100% load:	2%	2%	2%
Response time:	<1mS	<1mS	<1mS
Voiceband noise weighted:	<0.5mV	<0.5mV	<0.5mV
Wideband noise:	<20mV	<20mV	<20mV
Connections:	Power Pole	Power Pole	Power Pole
Front Panel			
Metering:	3 ½ Digital LCD – Volts & Amps		
Status:	Input On, V1, V2, Current Limit, High Temp, High Temp Shutdown, High Volts, Converter Fail, Output Breaker, Low Volts.		
Physical			
Rack Units:	2RU	2RU	2RU
Mounting:	19" or 23" Rack	19" or 23" Rack	19" or 23" Rack
Dimensions (WxDxH):	17"x17"x3.5"	17"x17"x3.5"	17"x17"x3.5"
Weight:	30 Lbs.	30 Lbs.	30 Lbs.
Temp. - Operating:	0-50°C	0-50°C	0-50°C
Temp. - Storage:	-20 to +80°C	-20 to +80°C	-20 to +80°C
Cabinet Type:	Fan Cooled	Fan Cooled	Fan Cooled
Converter Shelf:	Not Required	Not Required	Not Required

ISO 9001 Registered

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