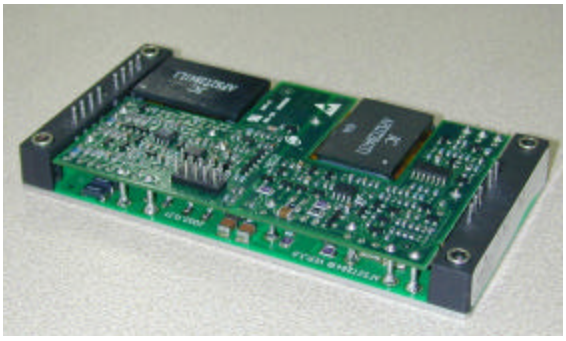
700 Watts
AIF25R48

Total Power:	700 Watts (28V@25Amps)
Input Voltages:	48V
No. of Outputs:	Single



Special Features

- 700W Continuous power at 100°C baseplate temperature
- High efficiency - 89% @ 28V
- Low output ripple and noise
- Industry standard pin out
- Positive and Negative enable function
- Excellent transient response
- OVP, LVP, OCP,OTP, S/C protection
- Paralleable with accurate current sharing
- Basic Insulation

Environmental

Operating temperature

-20°C to +100°C (Case temperature)

Storage temperature: -55°C to +125°C

Overtemperature protection: 120°C max

MTBF: TBD hours

Safety

UL 60950 Recognized

CSA

TUV EN60950 Licensed

CE CE Mark

Electrical Specs

Input

Input range	36 - 75 VDC
Input Surge	100V / 100ms
Efficiency	89%@28V

Output

Load Regulation	0.5% typical down to min load
Line Regulation	0.2% typical
Noise / Ripple	200mV typical
Remote sense	Up to 0.5V
Output voltage adjust range	+10%/-20%
Transient Response	3% max for deviation with 25% to 50% full load 500 µS (max) recovery
Current Share Accuracy	5% typical
Overvoltage Protection	140% Vo (max)
Current Limit	140% Io (max)

Control

Voltage Adjust	80 to 110% Vo
Enable	TTL compatible (positive & negative enable options)

Notes

Nominal values apply with sense pins connected and other control pin unconnected.

Specifications subject to change without notice.

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Ordering Information

Input Voltage	Output Voltage	Efficiency	Model Number
48V	28V @ 25A	89% (Typ)	AIF25R48
48V	28V @ 25A	89% (Typ)	AIF25R48N
48V	28V @ 25A	89% (Typ)	AIF25R48-6
48V	28V @ 25A	89% (Typ)	AIF25R48N-6
48V	28V @ 25A	89% (Typ)	AIF25R48-7
48V	28V @ 25A	89% (Typ)	AIF25R48N-7
48V	28V @ 25A	89% (Typ)	AIF25R48-8
48V	28V @ 25A	89% (Typ)	AIF25R48N-8

Note: 1. Suffix “N” for Negative Enable, -6 for 3.8mm pin, -7 for 5.8mm pin, -8 for 2.8mm pin

Pin Assignments

AIF25R48N-6 (pin side view)

