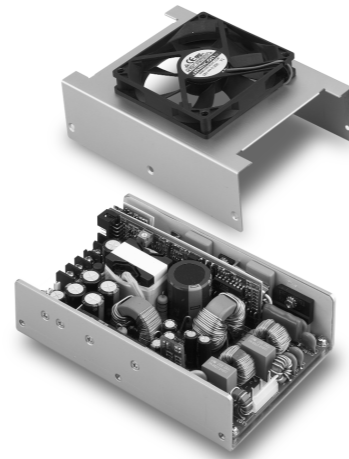


S E R I E S

CFM200S

NEW

200 WATT SINGLE OUTPUT U FRAME AC-DC MODULES WITH PFC



Features

- 1.5" Low Profile, 4"X6" Footprint
- Universal Input : 90 ~ 264Vac
- Active PFC Meets EN61000-3-2
- Conductive EMI Meets CISPR/FCC Class B
- High Efficiency at 80% Typical
- Current Share
- Remote Voltage Sense
- AC OK Signal (Logic High)
- DC OK Signal (Logic High)
- PS ON/OFF Remote Control (Inhibit PSU by Adding Logic High)

Specifications

INPUT CHARACTERISTICS:

AC Input Voltage.....90 ~ 264Vac
 Frequency 47 to 63Hz
 Inrush Current60A Max.
 EMI CISPR/FCC Class B
 Isolation Input to output =4,242Vdc
 Leakage Current.....3.5mA Max.

ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature0 ~ 70°C
 50~70°C with 2.5%/°C derating
 PSU will be in thermal protection for exceeding the rated power output or the operating temperature
 Storage Temperature -20 ~ 85°C

NOTE:

- 1: Optional function can be added when ordering: Top Cover with Fan (when forced air is needed)
- 2: Add a 0.1uF ceramic capacitor and a 47uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
- 3: Voltage accuracy is set at 60% rated load and 25°C Ta.
- 4: Line regulation is measured from High Line to Low Line with rated load.
- 5: Load regulation is measured at 60%±40% rated load.

OUTPUT CHARACTERISTICS:

Total Rated Output Power.....200W
 (with 30CFM air flow or optional fan)
 Current ShareSingle wire current sharing
 Remote Voltage sense.....Compensates for wire voltage drop
 Hold-up Time16mS typ.
 Over Voltage ProtectionRecycle AC input to restart
 Over Temperature ProtectionAuto Recovery
 Short Circuit Protection..... Auto Recovery

MECHANICAL OUTLINE:

Standard U Frame.....150 x 100 x 38.1mm
 (5.91"x 3.94"x 1.5")
 With Optional Fan.....150 x 101.6 x 58.5mm
 (5.91"x 4"x 2.3")
 Weight750g

6: Dimensions tolerance : +/- 1mm.

7: Connectors:

- CN1(AC Input) : Molex 5273-05A or equivalent
- CN2(DC Output) : Molex 38700-7504 or equivalent
- Optional Connectors:
- CN6(Signals) : Molex 70247-10 or equivalent
- CN3,CN4,CN5 (Fan Output) : Molex 5045-02A or equivalent

MODEL	OUTPUT VOLTAGE	MAX. LOAD	MIN. LOAD	RIPPLE & NOISE	VOLTAGE ACCURACY	LINE REGULATION	LOAD REGULATION
CFM200S-033	+3.3V	40.0	0	1%	±1%	±1%	±1%
CFM200S-050	+5.0V	40.0	0	1%	±1%	±1%	±1%
CFM200S-120	+12V	16.7	0	1%	±1%	±1%	±1%
CFM200S-150	+15V	13.4	0	1%	±1%	±1%	±1%
CFM200S-180	+18V	11.2	0	1%	±1%	±1%	±1%
CFM200S-240	+24V	8.4	0	1%	±1%	±1%	±1%
CFM200S-280	+28V	7.2	0	1%	±1%	±1%	±1%
CFM200S-300	+30V	6.7	0	1%	±1%	±1%	±1%
CFM200S-360	+36V	5.6	0	1%	±1%	±1%	±1%
CFM200S-480	+48V	4.2	0	1%	±1%	±1%	±1%

Mechanical Specification

All Dimensions are in Inches(mm)
 Tolerances: .xx±.04(.xx±.1) unless otherwise noted

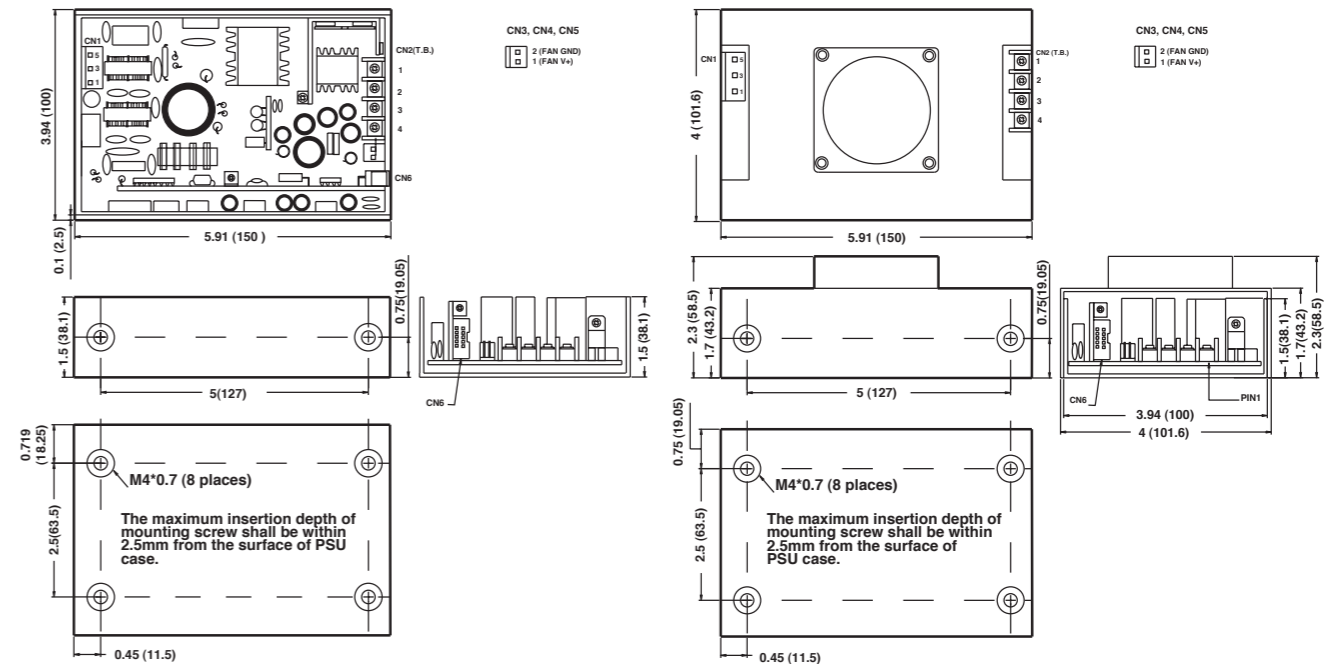
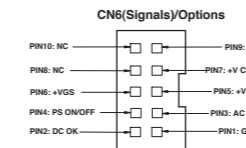


Fig.1. Mechanical Outline of CFM200S

Fig.2. Mechanical Outline of CFM200SA (With Optional Fan)

PIN CONNECTION

Pin	ASSIGNMENT
1.	Earth Ground
2.	NC
3.	Neutral
4.	NC
5.	Line



Note: VS means Remote Sense "+"
 GS means Remote Sense "Return"

PIN CONNECTION

Pin	ASSIGNMENT
1.	+V
2.	+V
3.	PWR GND
4.	PWR GND

PIN CONNECTION

Pin	ASSIGNMENT
1.	+12V(FAN)
2.	GND (FAN)

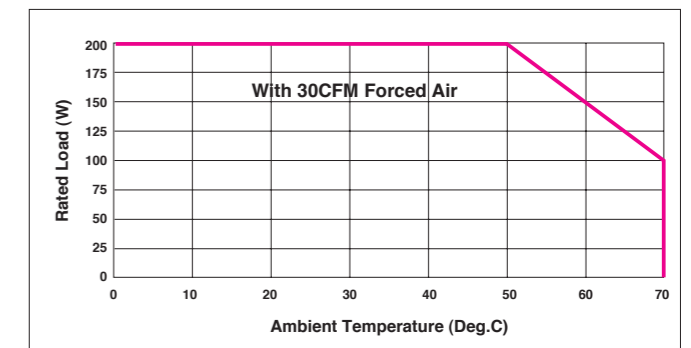


Fig.3. Output Derating Curve

Typical at 25°C, 230Vac and 60% rated load, unless otherwise specified.