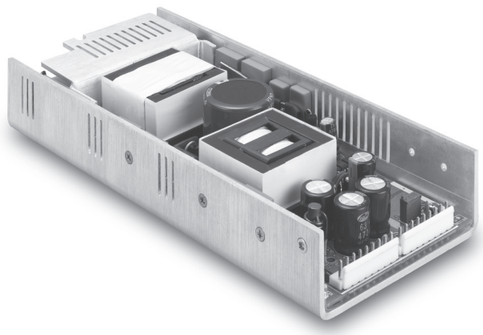
Preliminary



CFM350S

S E R I E S

350 WATT SINGLE OUTPUT U TYPE AC-DC POWER SUPPLY WITH PFC

Features

- Universal Input 90-264Vac
- Active PFC Meets EN61000-3-2
- EMI Meets CISPR/FCC Class B
- High Efficiency up to 90%
- Remote Voltage Sense

E176177

*"Go to **www.cincon.com** for additional technical information"*

MODEL	OUTPUT VOLTAGE	OUTPUT CURRENT (A) RATED	OUTPUT CURRENT (A) MIN.	RIPPLE & NOISE 1	VOLTAGE ACCURACY 2	LINE REG.3	VOLTAGE ADJ.RANGE	LOAD REG.4	EFFICIENCY (TYPICAL)
CFM350S-120	+12V	29.2	0	100mVp-p	± 2.0%	± 0.5%	10.8 ~ 13.2	± 1%	TBD
CFM350S-150	+15V	23.4	0	100mVp-p	± 2.0%	± 0.5%	13.5 ~ 16.5	± 1%	TBD
CFM350S-240	+24V	14.6	0	150mVp-p	± 2.0%	± 0.5%	21.6 ~ 26.4	± 1%	TBD
CFM350S-360	+36V	9.7	0	150mVp-p	± 2.0%	± 0.5%	32.4 ~ 39.6	± 1%	90%
CFM350S-480	+48V	7.3	0	150mVp-p	± 2.0%	± 0.5%	43.2 ~ 52.8	± 1%	90%

Specificaons

INPUT SPECIFICATIONS:

AC Input Voltage.....90 ~ 264Vac
Frequency .....47 to 63Hz
Inrush Current.....85A max.
EMI.....CISPR/FCC Class B
Isolation .....Input to output = 3000VDC
Leakage Current/240Vac.....2mA max.

OUTPUT SPECIFICATIONS:

Total Rated Output Power.....350W
Remote Voltage Sense.....Compensates for wire Voltage drop
Hold-up Time .....16mS typ.
Over Voltage Protection .....Recycle AC input to restart
Over Temperature Protection .....Auto Recovery
Short Circuit Protection..... Auto Recovery

ENVIRONMENTAL CHARACTERISTICS:

Operating Temperature .....-10 ~ 65˚C
40~65˚C with 2.5%/˚C Derating
PSU will be in thermal protection for exceeding the rated power output or the operating temperature
Storage Temperature .....-40 ~ 85˚C

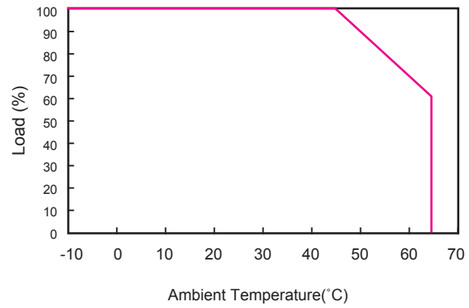
MECHANICAL CHARACTERISTICS:

Dimensions[5].....235.2 x 101.5 x 38mm

NOTE:

1: Add a 0.1uF ceramic capacitor and a 47uF E.L. capacitor to output for Ripple & Noise measuring @20MHz BW.
2: Voltage accuracy is set at 50% rated load and 25˚C Ta.
3: Line regulation is measured from High Line to Low Line with rated load.
4: Load regulation is measured at 60% ± 40% rated load.
5: Dimensions tolerance : +/- 1mm.
6: CN1(AC Input) : JST B5P-VH or equivalent
CN2(DC Output) : JST B9P-VH or equivalent
CN3 (DC Output) : JST B9P-VH or equivalent

CFM350S Series Derating Curve



PIN CONNECTION

CN1 (AC Input)

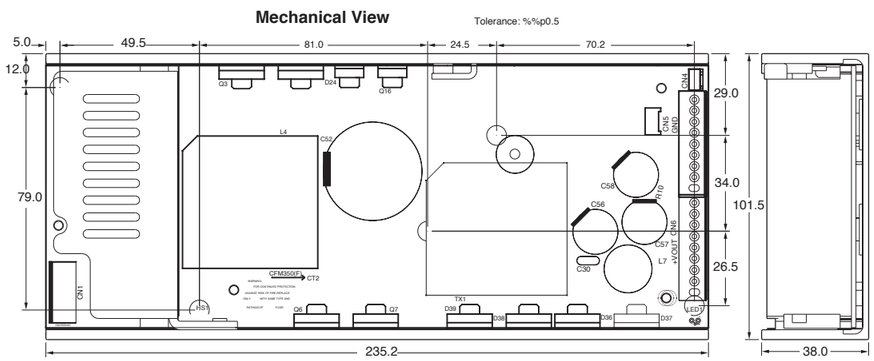
Pin	Name	Note
1	FG	GOUND
2, 4	N/A	
3	N	
5	L	

CN2 (DC Output)

Pin	Name	Note
1~9	+48	

CN3 (DC Output)

Pin	Name	Note
10~18	GND	

Mechanical Specification

All Dimensions In mm