

AC/DC Switching Open Frame
ELECTRICAL SPECIFICATIONS

- Input range : 90 ~ 264/200~370VDC
- Input Frequency : 47 - 440Hz
- Inrush Current (25°C) 20A @ 110VAC; 40A @ 220VAC MAX

OUTPUT

- Short Protection: Autorecovery
- Overload Protection: Automatic Power Limited
- Over Voltage Protection: Autorecovery
- Hold-up time : 16ms
- Outputs Can Be Modified From 3V~400VDC

ENVIRONMENTAL

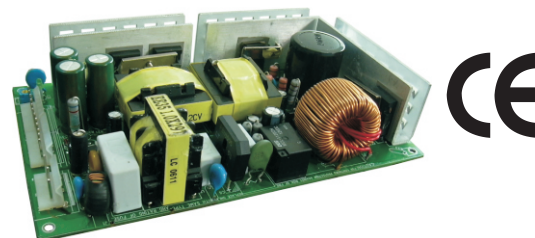
- Operating Temperature -15 ~ 50°C, Ambient
- Operating Humidity 5 ~ 95% RH, No Condensing
- Storage Temperature -20 ~ 85°C, Ambient
- Vibration 2G, 10~500Hz, 3 axes

SAFETY STANDARD

-  UL 60950 Meet
-  CSA 60950 Meet
-  CE Marking

EMC STANDARDS

EN55022 CLASS A
EN61000 -3-2
EN61000 -3-3
EN55024 (IEC 61000 -4-2,
IEC 61000 -4-3, IEC 61000 -4-4
IEC 61000 -4-5, IEC 61000 -4-6
IEC 61000 -4-8, IEC 61000 -4-11)



DIMENSIONS : 194(L) x 114(W) x 38(H)mm

DC OUTPUT & FEATURES
250 Watt~400 Watt (With Fan Cooling)

MODEL	O/P Volt Adj. $\pm$ %	Load(Current) ₁			Ripple & Noise ₄	Line REG. ₂	Load REG. ₃	Efficiency ₅	O.V.P. Trip point
		Min.	Rated	Max.					
F1250-12C	V1: +12V $\pm$ 10%	0A	20.8A	33.3A	150mVp-p	$\pm$ 1%	$\pm$ 1%	80% Min.	15.0 ~ 18V
F1250-15C	V1: +15V $\pm$ 10%	0A	16.6A	26.6A	150mVp-p	$\pm$ 1%	$\pm$ 1%	80% Min.	20 ~ 24V
F1250-24C	V1: +24V $\pm$ 10%	0A	10.4A	16.6A	240mVp-p	$\pm$ 1%	$\pm$ 1%	82% Min.	27.6 ~ 31V
F1250-48C	V1: +48V $\pm$ 10%	0A	5.2A	8.3A	250mVp-p	$\pm$ 1%	$\pm$ 1%	83% Min.	54 ~ 60V

- NOTE:**
1. Each output can provide up to maximum load, but total load can not exceed rated output power.
 2. Line regulation is measured from low line to high line at rated load.
 3. Load regulation is measured from 20% to 100% of rated load at 110VAC input.
 4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 110VAC input.
 5. Efficiency is measured at rated load and 110VAC input.
 6. Hold-up time is measured at rated load and 110VAC input.
 7. 400 watts series, fan cooling is necessary when operating over 250 watts



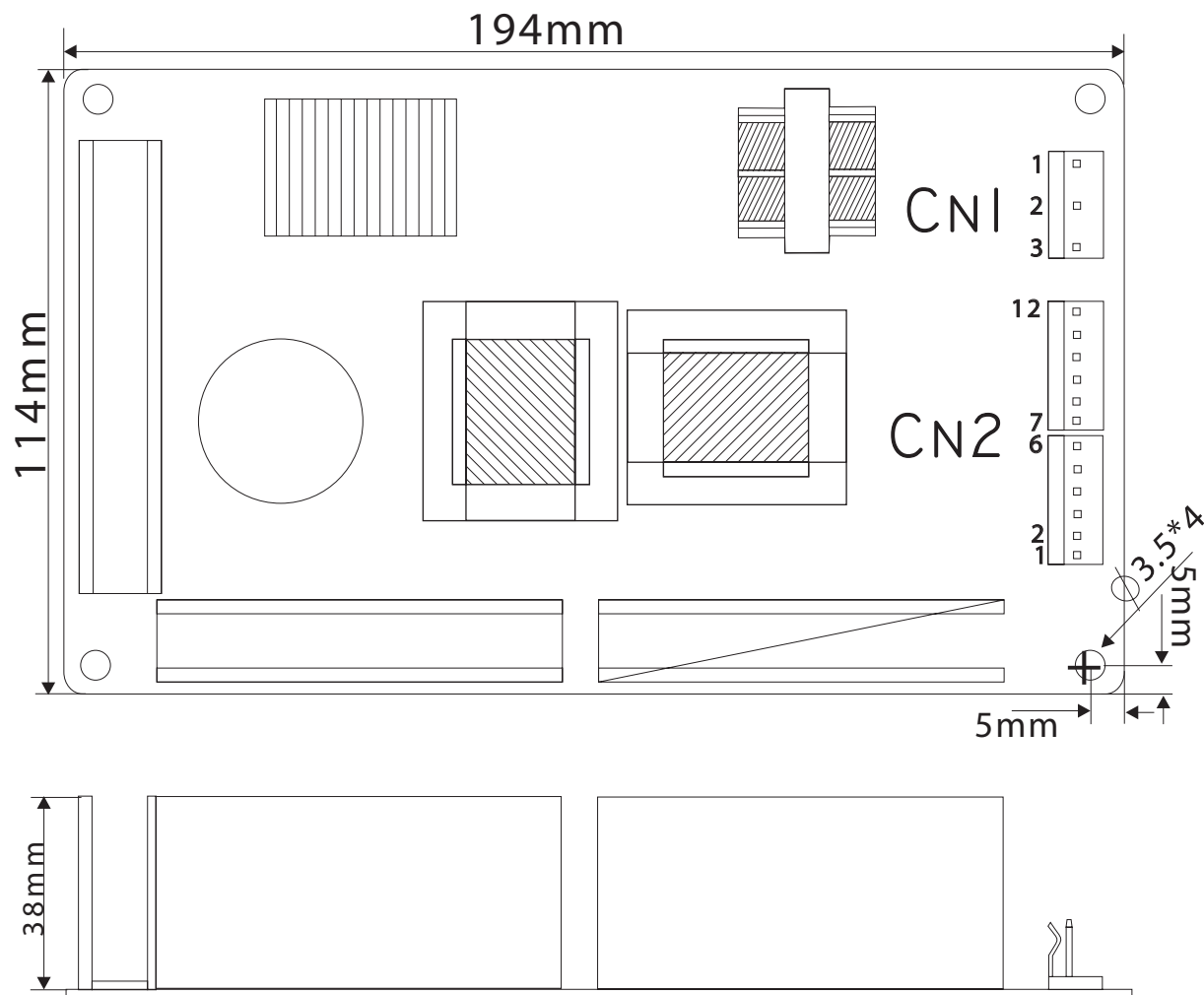
SMP TECHNOLOGY, INC.

227 Technology Circle, Scotts Valley, CA 95066

Tel : (831) 440-9191 Fax : (831) 427-7570

<http://www.smp-tech.com>

E-Mail : sales@smp-tech.com

AC/DC Switching Open Frame
MECHANICAL SPECIFICATION


CASE NO: F1250

UNIT: mm

DIMENSIONS:

94(L)* x 114(W)* x 38(H)mm

Input connector (Cn1)

3.96mm crimp style connector
5Pin 3.96mm.

Pin	Input	Description
1		Neutral Terminal of AC Input
2	L	Line Terminal of AC Input

No Polarity At DC Input

DC Output Connector (Cn2)

3.96mm crimp style connector
Single output: 6Pin. 3.96mm.

Pin	Single	Description
1 ~ 6	V1	G: DC Output Ground Terminal Vx: DC Output Terminal (Specify at spec.)
7 ~ 12	G	



SMP TECHNOLOGY, INC.

227 Technology Circle, Scotts Valley, CA 95066

Tel : (831) 440-9191 Fax : (831) 427-7570

http : //www.smp-tech.com

E-Mail : sales@smp-tech.com